The
CHEMIST AND DRUGGIST
r RETAILER - WHOLESALER - MANUFACTURER
SEPTEMBER 25, 1948

THE CHILDRENS' CHOICE
Allenburys
TORCH BRAND
MALT
& OIL
ALLEN & HANBURYS LTD · LONDON · E·2
PHONE: BISHOPSGATE 3201 (12 LINES). WIRES: GREENBURYS, BETH, LONDON

Index to Advertisers pp. 5 & 6

BULK DRUGS ★ DISINFECTANTS ★ PACKED PHARMACEUTICALS ★ TOILET PREPARATIONS ★

Packed Pharmaceuticals
Toilet Preparations
Extract of Malt
Extract of Malt with Cod Liver Oil, Butterscotch flavour
Tablets, bulk and packed
Disinfectants
Galenicals
Essential Oils:
Bergamot, Clove, Cinnamon, Lemon, Peppermint, Rosemary
Ointments
Syrups
Tinctures
Liquid Extracts
Infusions

"A reputation that is sound and enduring is more valuable than a passing success however spectacular and it cannot be built up in a day."

Such is WRIGHT'S guiding principle and for 80 years a policy of supplying only the finest pharmaceutical preparations at reasonable prices has been consistently maintained

WRIGHT LAYMAN & UMNEY LTD

SOUTHWARK STREET, LONDON, S.E.1 HOP 4021 (10 lines)

The

HIGH GERMICIDAL EFFICIENCY

of Cresantol-15—its R.W. coefficient is 65 when suitably formulated—is not by any means the only advantage this Monsanto germicide offers in the manufacture of modern antiseptic fluids. In these days of shortages, the

READY AVAILABILITY

of Cresantol-15 is of major importance. And, when you add

LOW COST

to both these advantages,

CRESANTOL-15

is well worthy of consideration if you are contemplating the manufacture of an efficient antiseptic fluid . .

Monsanto Chemicals Limited,
Victoria Station House, London, S.W.1.

MONSANTO CHEMICALS

For full general, technical and application data on Cresantol-15 write for Technical Service Bulletin No. 2B

SERVING INDUSTRY WHICH SERVES MANKIND

Common-Sense Distribution

— what it means to the Pharmacist

When you, as buyer, are offered goods — particularly new products — you cannot know whether they will sell quickly, slowly, or not at all. In the nature of things you have no means of knowing the marketing plans and the ascertained facts supporting them, which alone can indicate the extent to which they are likely to sell. This will now be done for you by a *new* organisation, Walter Crowe Ltd. — created to function as distributors with a common-sense approach in regard to the products it offers you. It will know the whole of the manufacturers' plans — indeed it will help to formulate them — and it will only offer you merchandise which is being properly marketed, for that is the only kind it will handle.

. . . .

Distribution, after all, means more than just the *availability* of products in appropriate shops. It means the *flow* of merchandise from manufacturers to public via suitable retail counters. It therefore implies *movement*.

Distribution is clearly a part — but only a part — of marketing which, to be successful, depends equally on the product genuinely meeting a public need, right price, fair trade margins and most important, adequate advertising.

. . . .

Walter Crowe Ltd. is well equipped to distribute in this sphere. Its field force is of seasoned 'reps.' — picked men of the highest integrity whom you, as pharmacist, have known and trusted for years. On the management side, there is a wealth of marketing experience which, to a greater or lesser extent, did much to ensure such outstanding marketing successes as 'Tek' Toothbrushes, 'Silvikrin', 'Steradent', Simpson's Foot Ointment, Nilblain and other products.

On our side, we will safeguard your interests by satisfying ourselves *in advance* that the products we bring you *will* sell. On your side, we bespeak your confidence and co-operation.

WALTER CROWE LTD.

DISTRIBUTORS

3/4, LITTLE RUSSELL STREET, LONDON W.C.1

TELEPHONE: CHANCERY 7051/2 TELEGRAMS: RELIALINES WESTCENT LONDON

Make sure your stocks DO meet your customers' requests

Evans Effervescent Health Salt, refreshing and cooling, is now available in a new dress, and with a new formula. Its sales are backed by the nationally - advertised name of EVANS.

DISPLAY IT ON YOUR COUNTER

RETAIL 1/4 per 4 oz. tin (Including Purchase Tax)

WHOLESALE 9/3 per doz. *plus* 33⅓% Purchase Tax. 6 doz. at 9/- per dozen, plus tax.

EVANS

EVANS MEDICAL SUPPLIES LTD

Speke, Liverpool 19

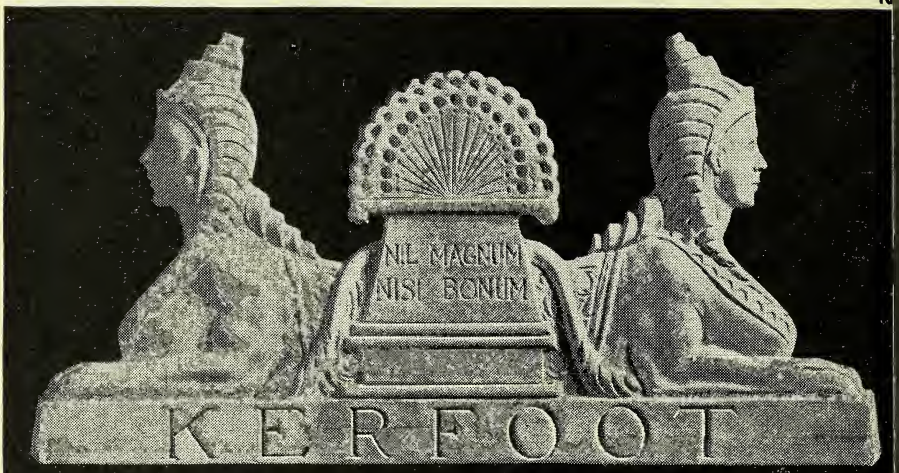
and Bartholomew Close, London, E.C.1

Distributing Depots:

BELFAST, BIRMINGHAM, BRISTOL, LEEDS, LEICESTER, MANCHESTER, NEWCASTLE, SHEFFIELD AND SWANSEA.

199-141F8

For GOOD TABLETS

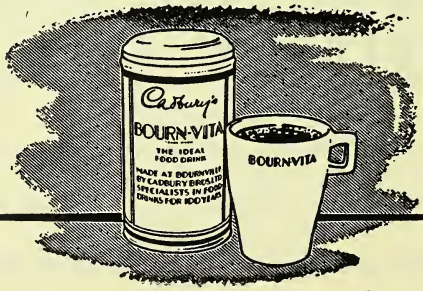


THOMAS KERFOOT & CO. LTD., VALE OF BARDSLEY, LANCASHIRE

Cadbury's

BOURN-VITA

SUPPLIES MAY BE OBTAINED
THROUGH YOUR WHOLESALE DRUGGIST



INDEX TO ADVERTISERS

en & Hanburys, Ltd. Front Cover, 11
en, Stafford, & Sons, Ltd. 20
nber Pharmaceuticals, Ltd. ix
ne Laboratories, Ltd. xxv
kit, Ltd. xlii
oro, Ltd. xxxii
iley, R., & Son, Ltd. xvi
rnes, M. H. .....Col. Supp.
rnett, J. L., Ltd. viii
yer Products, Ltd. i
echams Pills, Ltd. 29
ll, G., & Sons, Ltd. xxi
nger's Ltd. 25
lig, J., & Sons, Ltd. xxx
ots Pure Drug Co., Ltd. ... 24
x, W. H. 40
and & Co., Ltd. xxxiii
annan, S., & Sons, Ltd. ... xxx
tish Cod Liver Oils (Hull & Grimsby), Ltd. 12
tish Dental Sticks, Ltd. ... 34
tish Drug Houses, The, Ltd. 5
tish Dyewood Co., Ltd. ... ii
tish Felsol Co., Ltd. ...Cover iv
ome & Schimmer x
rrough, James, Ltd. Leader Page
rroughs Wellcome & Co.... 43
sto, Ruberto x
tler & Crispe 30
dbury Bros, Ltd. 4
lfos, Ltd. 22
rtwright, W. B., Ltd. 6
rus, A., & Sons, Ltd. ... ix
stiglione, K., & Co., Ltd. vi
llucotton Products, Ltd. ... iii
Chemists Sundries (Wholesale) Co. 12
Clay & Abraham, Ltd. 8
Clinical Products xv
Clinitest 35
Constable & Co., Ltd. iv
Container Recovery Service... xiv
Copley, F., & Co. ii
Cox, Arthur H., & Co., Ltd. 8
Cresswell Bros. & Marks, Ltd. 36
Croda, Ltd. 10
Cuticura Preparations xxxv
Cuxson, Gerrard & Co., Ltd. 28
D. Bee Food Products, Ltd.... 34
Daniel, Richard, & Son, Ltd. 13
Daydent xxii
Delavelle, Ltd. 36
Delf, W. M. (Liverpool), Ltd. Leader Page
Demuth, R., Ltd. 34
Dencil Manufacturing Co., Ltd. xxxiv
Dentomint 38
Distillers Co., Ltd. ...Leader Page
Dunhill, J., Manfg. Co., Ltd. xxxiv
Dyanese, Ltd. xx
Eades Anodyne, Ltd. 24
Edge, Wm., & Sons, Ltd. ... xvii
Edme, Ltd. 38
Emmet Distributing Co., Ltd. xxxviii
En Ess Towels xii
Eucryl, Ltd. xxxix
Evans Medical Supplies, Ltd. 3
Faylene Manufacturing Co. ... x
Field & Co. (Aromatics), Ltd. 10
Foyles Libraries, Ltd. xl
Frankenberg, L., Ltd. xvi
Franks, A., & Bartlett Co., Ltd. 40
Freeman, J., & Co., Ltd. ...xxxiv
Freeman, William & Co., Ltd. 42
Freudentheil, Smith & Co. Leader Page
Gardner, W., & Sons (Glos.), Ltd. x
Genoxide, Ltd. vi
Gibbs, D. & W., Ltd. 37
Glaxo Laboratories, Ltd. 9
Graesser, Salicylates, Ltd. ... viii
Grovewell, Ltd. xxii
Gupwell, A. J., Ltd. xii
Halex, Ltd. xxiv
Haller Laboratories, Ltd. ... xxi
Hamburger, M., & Sons Leader Page
Hannetta, Ltd. 38
Harker, C. R., Stagg & Morgan, Ltd. 26
Harley, T., Ltd. xxxi
Harvey & Co. (Dublin), Ltd. xx
Harwoods Laboratories, Ltd. xliv
Haywood, J. H., Ltd. xxviii
Heléna Products, Ltd. 40
Hersom, A. G. xi
Ibbetson & Co. 30
Imperial Chemical Pharmaceuticals, Ltd. .....Cover iii
Industrial Tapes, Ltd. xix
Institute of Chemists-Opticians Col. Supp.
International Chemical Co., Ltd. xliii

(*continued overleaf*)

DIPHENAN B.D.H.

FOR OXYURIASIS

GENTIAN VIOLET PILLS B.D.H.

WHICH IS PREFERRED?

Opinions on the most satisfactory treatment are divided; some authorities prefer diphenan for its absence of toxicity, others advocate gentian violet alone or, in resistant cases, alternated with diphenan. But, whichever treatment is chosen, the use of the B.D.H. preparation ensures optimum therapeutic effects.

THE BRITISH DRUG HOUSES LTD. LONDON N.1

DphnGV/T/1

INDEX (cont.)

International Laboratories, Ltd. xlii
Jackson, Ernest, & Co., Ltd. 14
Jacquesils Fabrics, Ltd. 26
Jeffreys, Miller & Co., Ltd. 31
Johnson & Johnson (G.B.), Ltd. xxxviii
Jones, W. H. & Co., (London), Ltd. .....Leader Page
Kay Bros., Ltd. 22
Kearsley, C. & G., Ltd. ... xxxii
Kellys, J., (London), Ltd. ... xi
Kerfoot, T., & Co., Ltd. ... 4
Kimpton Brothers, Ltd. vii
Kings of Kingsbury (Sales), Ltd. 26
Kleenkil Co., Ltd. xxxii
Knox, John (Stoke-on-Trent), Ltd. 14
Koko Maricopas Co., Ltd. ... xl
Leda Chemicals, Ltd. xxxviii
Lewis (Import & Export), Ltd. xlii
Liqufruta Laboratories 16
Liverpool School of Pharmacy Leader Page
Lodge, Robin, Ltd. iv
MacAndrews & Forbes, Ltd. xxvii
Maclennan Brand Products, Ltd. 17
Matthews, S., & Co., Ltd. xxxvi
Merica, M., & Co., Ltd. xiv
Midgley & Parkinson, Ltd. ... 12
Mitchell, L. A., Ltd. xii
Mitchell Cotts & Co., Ltd. xx
Monsanto Chemicals, Ltd. ... 1
Morrison, Guy, & Co., Ltd. xviii
Mousley, F. xviii
Murray, S., & Co., Ltd. xvii
Napp, H. R., Ltd. 18
National Glass Works (York), Ltd. v
New Era Treatment Co., Ltd. Leader Page
Niblett, C. P. 12
Northern Centre 14
Olley, C., & Sons, Ltd. xviii
Optrex, Ltd. xiii
Orridge & Co. .....Col. Supp.
Otark Polish Co. xxi
Oxo, Ltd. 44
Pal Personna Products, Ltd. vii
Parker-Hale, Ltd. xl
Peboc, Ltd. 22
Pentecon, Ltd. xi
Pepper, J., & Co., Ltd 10
Percenta, Ltd. xx
Petrushkin, M., Ltd. xxii
Pharmaceutical Laboratories, Geigy, Ltd. iii
Pharmaceutical Specialities (May & Baker), Ltd. 19
Picker, Myram, Ltd. 27
Porteus, Geo., & Sons (Leeds), Ltd. vi
Potter & Clarke, Ltd. 41
Promedico Products, Ltd. ... xix
Rankin Bros., & Sons Leader Page
Richardson, J., & Co. (Leicester), Ltd. 28
Rimmel (Distributing), Ltd. 32, 33
Rodmill Chemical Co., Ltd.... iv
Rybar Laboratories, Ltd. xxiii
St. Andrew Mills, Ltd. xxix
Sale, Tilney (Marketing), Ltd. xli
Sandoz Products, Ltd. 15
Saquerre, Ltd. xxxii
Savory & Moore, Ltd. 44
Scram Products, Ltd. xx
Simmonds Products, Ltd. ...xxxii
Simpkin, A. L., & Co., Ltd. 3
Simpson, J. W., (Chemists), Ltd. .....
Singer, Ernest M. .....
Smith & Hill (Chemists), Ltd. 1
Songo .....Leader Pag
Sorbo, Ltd. xvi
Splendor, Ltd. xxx
Standard Synthetics, Ltd. ...
Stanese, Ltd. 3
Stemco, Ltd. xxx
Stower & Oakley, Ltd. xxx
Stretch, Wilfred, & Co., Ltd. xvi
Surgical & Manicure Specialities, Ltd. x
Swan Mill Co., Ltd. x
Tampax, Ltd. vi
Tintex Dyes xi
Town Talk Polish Co. xx
Twinkle Headache Powders Leader Pag
Tye, John, & Son, Ltd. 3
United Chemists Association, Ltd. .....
Universal Brush Co., Ltd. ...xxi
Universal Metal Products, Ltd. 2
Velvet Crepe Paper Co., Ltd. xi
Waide, Thos., & Sons, Ltd. 1
Westbrook Lanoline Co. 2
White, J. F., & Co., Ltd. ... x
Wick Industries Co. xv
Williams, Charles & Co. .....
Wilson & Mansfield, Ltd. ... x
Winox 2
Woolley, J., Sons & Co., Ltd. 2
Wright, Layman & Umney, Ltd. .....Cover
Zeal, G. H., Ltd. xv
Zems, Ltd. xx

Be Prepared for Winter Sales!

Order your requirements NOW and be sure of adequate stocks to meet the big winter demand for Lobelline. Extensively advertised on a national scale, sales are increasing each year by leaps and bounds. Write for suitable show material to the distributors.

Lobelline

For every kind of Cough

Distributors for Lobelline Ltd.

W. B. CARTWRIGHT LTD., RAWDON, LEEDS

UNITED

FOR THE PRESERVATION

OF INDIVIDUALITY

Ucal

UNITED CHEMISTS ASSOCIATION LIMITED, UCAL WORKS, CHELTENHAM.

COX OF BRIGHTON

for the production of

PILLS and TABLETS

under the most exacting control

BULK OR PACKED · STANDARD OR SPECIAL FORMULAE

Cox experience and reputation backed by :

1. **Greatly increased manufacturing capacity**
2. **New scientific equipment**
3. **Specialized skill**

assure you of an ever-reliable source of supply

ARTHUR H. COX & CO. LTD. BRIGHTON

Now packed in Cartons again

EPHEDROL

BRAND

For the relief of

COLDS *and* CATARRH

Ephedrol has returned to its pre-war appearance; once more it is packed in cartons and display outer.

The catarrh season is with us again. Recommend Ephedrol with confidence in the quick relief it will give to your customers.

Its patent nasal application bottle is infinitely better, safer and easier to use than spray or dropper, and can be carried in handbag or pocket without fear of leakage.

RETAIL PRICES
1/10 and 3/8
Including Purchase Tax

TRADE PRICES
Excluding 33⅓% Pur. Tax

Small size :
1 doz. 12/- per doz.
3 doz. 11/- per doz.

Large size :
1 doz. 23/- per doz.
3 doz. 22/- per doz.
3 doz. lots carriage paid.

CLAY & ABRAHAM LTD.
Manufacturing Chemists - **LIVERPOOL, 1**

CANDA

REGD TRADE MARK

CA136

PRIDE OF PLACE

among tonics

Another winter is on the way. Now is the time for Ostomalt; for building up firm winter resistance with Ostomalt's orange-flavoured blend of vitamins A & D, minerals and malt. Ostomalt is *highly concentrated*—only teaspoonful doses are needed. There is a place for a jar in the cupboard of every customer . . . and on every jar there is a worthwhile profit for you.

GLAXO

OSTOMALT

the elegant vitamin tonic malt food

Jars : ½-lb. 2/- 1-lb. 3/6 *less usual trade discount*

SPECIAL PARCEL TERMS

Parcel No. 10 2 doz. x ½-lb. Cost to chemist £1.12.0 **Parcel No. 11** 1 doz. x 1-lb. Cost to chemist £1.8.0

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

CRILLS

No. 8 ETHYLENE OXIDE DERIVATIVE OF SORBITAN MONO-STEARATE (A)

This is the first of two grades of sorbitan mono-stearate rendered hydrophilic by reaction with ethylene oxide (ratio 1:20) and is non-ionic. It is soluble in water, acid, alkaline electrolyte solutions. Insoluble in mineral oil, ether and glycol. Soluble in many other solvents. Its viscosity is 400-600 cps. at 25° C.; S.G. 1.05-1.10; Flash point, 545° F.; Surface tension (0.01%) 44 Dynes/cm. at 25° C.; Interfacial tension (0.1%) 11.5 Dynes/cm. at 25° C.; Spreading co-efficient (0.1%) 25.0 ergs/cm^2.

Crill No. 8 is of first importance in the preparation of oil-in-water emulsions, especially when Crill No. 4 is used as a stabilizer.

SUGGESTED USES

Whipping Agent and Emulsifier in Foods
Brushless Shaving Creams
Hand Creams
Vanishing Creams
Powder Creams
Deodorant Creams
Cleansing Creams
Solubilising Agent
Ointment Bases
Benzyl Benzoate Emulsions
Insect Repellant Emulsions

London Office:
24 HAYMARKET,
LONDON, S.W.1
Telephone: WHItehall 4725/6
Telegrams: Crodapur Lesquare, London

CRODA LIMITED
CRODA HOUSE, SNAITH, GOOLE, YORKS.
Telephone: SNAITH 77 (3 lines)
Telegrams: CRODA, GOOLE

Manchester Office:
74 CORPORATION STREET
MANCHESTER, 4
Telephone: BLAckfriars 801

JOHN PEPPER & CO. LTD.

Manufacturers of

Lockyers Sulphur Hair Restorer 4/4½

Peppers Sulpholine Lotion 1/7½ & 3/10

Keenes One Night Corn Cure 1/7

Bunters Nervine 1/7

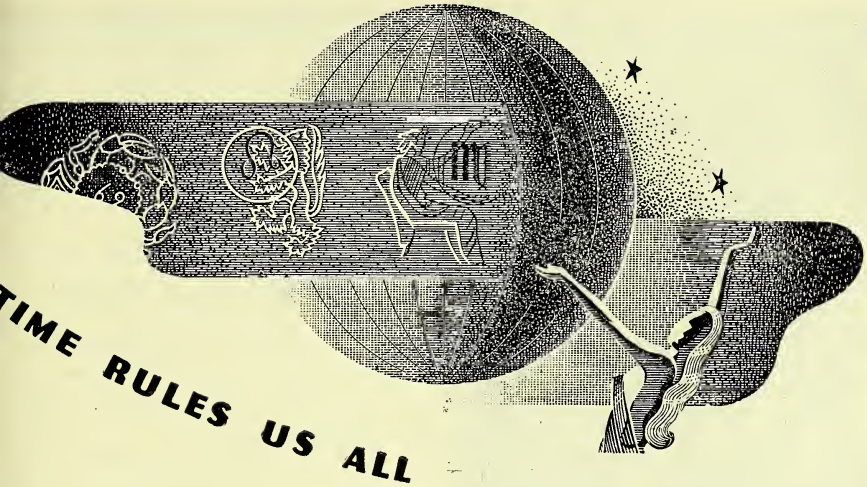
Kayes Wordsells Pills 1/7, 3/9 & 6/3

All Retail Prices include Pur. Tax

If supplies are difficult please let us know

BEDFORD LABORATORY
122 MAGDALEN STREET, NORWICH

FIELD & CO. *(Aromatics)* **LTD.** MOUNT PLEASANT, ALPERTON, WEMBLEY, MDX.
Phone - - WEMBLEY 5441 (3 lines)
Telegrams & Cables - FUMRIFIELD, WEMBLEY



. . . but for customers who depend on insulin to control carbohydrate metabolism it assumes an even greater significance.

In the selection of the type of insulin, speed of action and duration of effect are all important factors. There are forms of A.B. brand of Insulin to meet all requirements.

INSULIN A.B.: The original unmodified type. Immediately effective but relatively short-lived.

GLOBIN INSULIN (with Zinc) A.B.: A combination of insulin and globin which prolongs the effect and controls carbohydrate metabolism for as long as 24 hours.

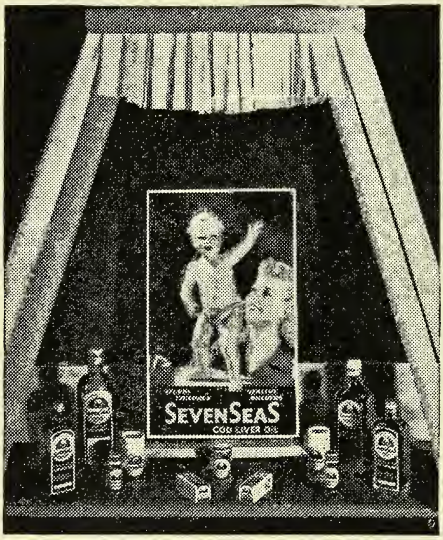
PROTAMINE ZINC INSULIN A.B.: A suspension of insulin precipitated by protamine which is absorbed slowly, thus delaying the initial action and prolonging the effect for 24 hours and upwards.

INSULIN A B TRADE MARK

Each type is supplied in 5 c.c. vials of 40 units per c.c. —Insulin A.B. 2/4 ; Globin Insulin A.B. 2/9 ; Protamine Zinc Insulin A.B. 2/9.

Joint Licensees and Manufacturers:

ALLEN & HANBURYS LTD. : THE BRITISH DRUG HOUSES LTD.



To increase your sales!

Here is a real opportunity! Advertising for SevenSeaS this season will be stronger than ever. And there is a really fine show-card for you (17" x 11"). Window display material, too—free of charge. Your displays have done much to increase sales in the past; and now, at last, we can help you to make your windows really striking. Don't delay. Write to-day for your showcard—for display material, too *(stating width and height of display space).*

IT WILL BRING CUSTOMERS INTO YOUR SHOP

SEVENSEAS

PURE COD LIVER OIL

British Cod Liver Oils (Hull & Grimsby) Ltd.,
St. Andrew's Dock, Hull

FOR

PATENTS

DRESSINGS

PILLS & TABLETS

DANGEROUS DRUGS

DRUGS & GALENICALS

ETHICAL PROPRIETARIES

SMITH & HILL

(Chemists) Ltd.

SIDNEY ST., SHEFFIELD, 1

Phone: 24321

GROUND

DRIED YEAST

MIDGLEY & PARKINSON, LTD.

WARREN WORKS, PUDSEY, LEEDS

Regd. ***"Surgexa"*** *Trade Mark*

SURGICAL DRESSINGS - CHEMISTS' SUNDRIES
PATENT MEDICINES

The CHEMISTS' SUNDRIES (Wholesale) CO.
330 STATION ROAD, BAMBER BRIDGE, PRESTON
Telephone 85403

RECOMMENDED FOR NERVES

DR. NIBLETT'S
VITAL RENEWER
NERVE SEDATIVE

for **70 YEARS**

Retail price 6/- per bottle including purchase tax

TRADE DISCOUNT 33⅓%

C. P. NIBLETT (Est. 1870)

10 LICHFIELD TERRACE, RICHMOND, SURREY

Telephone: RIChmond 3221

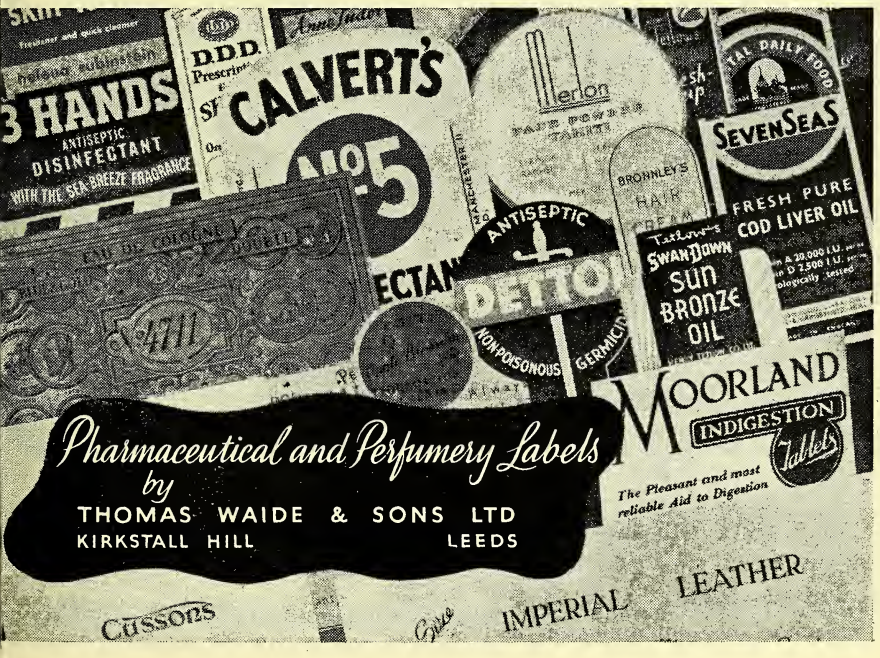
Richard Daniel & Son Ltd

PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR CHEMISTS

Manufacturing Chemists

Head Office & Works Mansfield Road Derby Telephone 4266 (3 lines) Branch Warehouse Grosvenor St. Ashton-under-Lyne Telephone 2816 (2 lines)



CENTURION BRAND

LOZENGES PASTILLES TABLETS

Wherever you may be!

In whatever part of the country your business may be situated there is a "CENTURION" Representative at your service—eager to assist you in any way possible. "CENTURION" Brand Products are popular with Chemists, and their customers, because it is known that the high standard of quality is consistently maintained. A postcard to the appropriate address below would bring the Representative to you at the earliest possible moment.

SOUTH LONDON AND SURREY
Mr. F. Walker, M.P.S., 15, Avenue Road, BELMONT, Surrey.

NORTH LONDON AND MIDDLESEX
Mr. F. L. Kempson, M.P.S., 47, Kingfield Road, EALING, W.5.

NORTH WESTERN NORTH WALES YORKS (W. RIDING)
Mr. H. Seddon, M.P.S., 48, Pierston Avenue, BLACKPOOL, N.S.

NORTHERN AND YORKS (EXCEPT WEST RIDING)
Mr. W. Goode, I, Brampton Avenue. Walker, NEWCASTLE-ON-TYNE, 6.

SOUTHERN
Mr. P. F. Lobb, Shalford, Romney Road, Ensbury Park, BOURNEMOUTH.

SOUTH WEST & SOUTH WALES
Mr. D. E. Williams, M.P.S., St. Davids, Park Road, CREDITON.

MIDLAND
Mr. C. L. Bury, 6, Gilway, TAMWORTH, Staffs.

EAST ANGLIA
Mr. G. C. Muir, M.P.S., 8, Sylvia Avenue, HATCH END, Middlx.

SCOTLAND
Mr. H. H. Heal, M.P.S., 90, Essex Drive, GLASGOW, 4.

ESTD. CF 1817

NORTHERN IRELAND
Mr. P. L. Browning, 220, Antrim Road, BELFAST.

ERNEST JACKSON AND COMPANY LIMITED, CREDITON, DEVON

JOHN KNOX · JOHN KNOX · JOHN KNOX

Chemists Exhibition

LONDON — SEPT. 1948

SLEEPYLAND FEEDING BOTTLES
SLEEPYLAND TEATS
SLEEPYLAND ALL RUBBER SOOTHERS
JAYNOX CHEMISTS SUNDRIES
HOSPITAL EARTHENWARE
JOHN KNOX GRIPE MIXTURE
JOHN KNOX RAPID COLD & FLU MIXTURE

PHERIBAN TONIC TABLETS
DELTAMIN TABLETS
SCYLLA HAIR TONING RINSES
SCYLLA PURE SOAP SHAMPOOS
CLEMMEL COSMETICS
GODFREY'S HAIR PREPARATIONS

ARGOTONE, AERO-PED, C.V.B., DAMASKIN BEAUTY PREPS. HAIRS ASTHMA PREPS. RADIOL, RADIAN, SPHAGNOL PRODUCTS

Everything for the Chemist

JOHN KNOX (Stoke-on-Trent) LTD.
Jaynox Works, King St., Fenton, Stoke-on-Trent

Stand Nos. 33 and 34

JOHN KNOX · JOHN KNOX · JOHN KNOX

There's good business in

Xmas cards illustrated with Enlargements from your customer's own negatives

Own—Snaps—Own Christmas Cards are more personal, more original and more treasured than any Christmas Card one can buy. And the idea only needs to be put to your customers for good business to be done. Holiday Snaps, Wedding and Family Groups, Child Studies etc. are excellent subjects, and Northern Centre experts in this work offer you speedy service. Cards (complete with appropriate message, tasteful ribbon and first class prints beautifully mounted) cost:—

13/6 per doz less 33⅓% trade

Send your D and P and all finishing work to Northern Centre

First class work assured. Processing of all types including **MINIATURE, COPYING** and **OLOUR WORK.** Large experienced staff using modern apparatus and materials. Usual Discounts.

NORTHERN CENTRE

ARGUS CHAMBERS · BRADFORD
THE FINISHING FIRM OF THE NORTH

CALCIBRONAT

(Calcium Bromo-Lactobionate)

Indications:

All the neuropsychiatric indications for bromides. Allergic disorders. Vaso-motor disorders. Itching dermatoses.

Calcibronat fulfils the three most important desiderata of a sedative for general use—efficacy, safety and freedom from objectionable side effects. From the point of view of the patient, palatability and convenience of administration are very desirable supplementary attributes. Being available in sweetened granules and in effervescent tablets, Calcibronat is pleasant to take and well tolerated by the most fastidious patient.

Available in granules, effervescent tablets and ampoules for injection

---

SANDOZ PRODUCTS LIMITED

134 Wigmore Street, London, W.1

Announcing NATIONAL PRESS Advertising this autumn and winter for Liqufruta

THE HERBAL COUGH MEDICINE

36,000,000 NET SALES of the National Newspapers and Magazines carrying "LIQUFRUTA" advertisements. Also **RAILWAY and BUS PLACARDS** and **CINEMA FILMS.**

FREE SALES-AIDS for you—

- 4-colour Metal Showcard
- Booklets for distribution
- Bottle Wrappers.

GENEROUS TRADE TERMS

Small size retails at 1/8 (incl. tax); trade price **12/- doz.,** tax extra; carriage paid 3 doz. Large size retails at 4/- (incl. tax); trade price **28/9 doz.,** tax extra. Carriage paid 2 doz.

"LIQUFRUTA MEDICA" retails at 4/6 (incl. tax); trade price **32/3 doz.** Carriage paid 2 doz.

Quick-selling always—now going to new sales-heights! Orders in strict rotation—**send for YOUR EXTRA STOCKS AND FREE SALES-AIDS, NOW!** Write to:—

LIQUFRUTA LABORATORIES
(Dept. CD.)
51 Clapham Road, London, S.W.9

PHERIBAN
TONIC TABLETS

Wholesale 27/9 per doz.
(plus 9/3 purchase tax)
Retail 4/3 per packet
(Including purchase tax)

Chemists Profit 33⅓%

a Real 'Selling' TONIC

THE 3 IN 1 PACKET

A separate "waistcoat pocket" or "handbag" size carton is a selling feature of each Pheriban packet.

A newly accepted high-class formula which can be recommended with confidence for adults with debility and the run-down condition which is so prevalent. Sold to Chemists only, with a modern style pack and Attractive display material. Supported by National Advertising. A very substantial profit margin, and assured repeat sales.

ALL ORDERS SHOULD BE SENT TO THE

Sole Distributors for United Kingdom

JOHN KNOX (Stoke-on-Trent) LTD.

JAYNOX WORKS, KING STREET, FENTON, STOKE-ON-TRENT

Manufacturers:—MacLennan Brand Products, Ltd., 9 Montrell Road, S.W.2. Tulse Hill 1684

a profitable bonus offer

"ABECEDIN"

TABLETS

On direct orders for 2 doz. x 21 " ABECEDIN " Tablets we will give ¼ doz. bonus packs FREE. An additional 2½% discount will be allowed for Cash with Order.

The 2¼ doz. packs will be supplied in an attractive outer for Counter or Window Display.

This offer shows the following advantageous returns :—

COST :

2 doz. at 4/3	=	£5 2 0
Less 25%	=	1 5 6
		£3 16 6

RETURN :

2¼ doz. at 4/3	=	£5 14 9

PROFIT :

£1 18s. 3d. = { 50% on Outlay. 33⅓% on Turnover.

For Cash with Order—
PROFIT = £2 0s. 2d. = { 54% on Outlay. 35% on Turnover.

H. R. NAPP LIMITED

3 & 4, CLEMENTS INN, LONDON, W.C.2.

on a rapid seller

48018

TRADE MARK **'PLANACRINE'** brand

antiseptic lozenges

for curative and prophylactic use

'Planacrine' lozenges are free from any irritating effect on mucous membranes and possess bactericidal properties which are maintained in the presence of body fluids.

In **tonsillitis, nasopharyngitis, gingivitis** and **stomatitis,** they combat the infection and relieve pain.

Supplies : *Pocket containers of 40 (each containing 3 mgm. euflavine)*

manufactured by

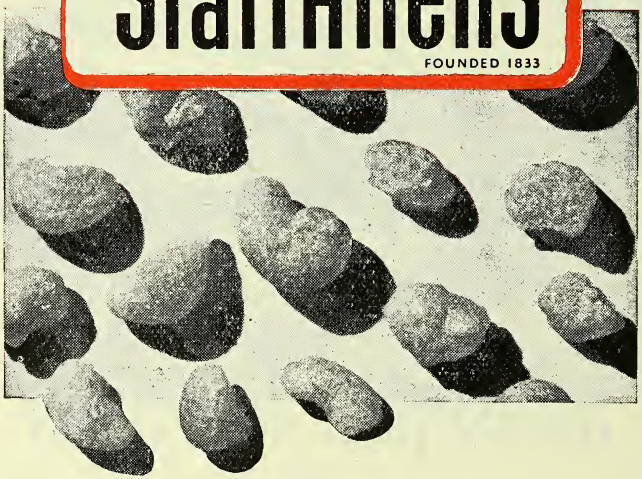
MAY & BAKER LTD

distributors

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD., DAGENHAM

StaffAllenS

FOUNDED 1833



Ground Gums

ACACIA · KARAYA
TRAGACANTH

May we have your enquiries?

STAFFORD ALLEN & SONS LTD. Wharf Road, London. N.1. 'Phone CLErkenwell 1000 (7 lines)

TAS/AL.206

U·M·P SPECIALISED TUBES

with elongated nozzle for Eye Ointments, Nasal Ointments and Haemorrhoidal Ointments; also Sescot tubes with Hypodermic needle attached.

To fill Collapsible Tubes, please ask for U·M·P Tube Filling Unit Leaflet

Moulders of Plastics to the Trade by injection and compression methods

TUBE WITH APPLICATOR MADE FROM POLYETHYLENE THE LATEST DEVELOPMENT IN THE APPLICATION OF HÆMORRHOIDAL OINTMENTS

U·M·P

THE SIGN OF SERVICE AND CO-OPERATION

UNIVERSAL METAL PRODUCTS LTD.

SALFORD 6 LANCS. *Telephone:* PENDLETON 1631-2-3

LONDON OFFICE: ARGYLE HOUSE, 29/31, EUSTON ROAD, N.W.1.

Here is the

NEW 'CALFOS' ADVERTISING

★

Generous Profit Margin

Advertising is now appearing in daily papers and women's journals. This is a logical development of over 10 years of ethical selling and clinical trials. It will stimulate the demand for this palatable, natural form of calcium and phosphorus. *'Calfos' is an attractively priced, repeat sale line with a generous profit margin. Enquiries to our representatives or to:—*

CALFOS LTD., IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2

T.2

LINES STEP INTO THEIR PROPER PLACE IN FREE SUPPLY

Flycatchers:
Honeypot Viper Tom Thumb Gorgon

DDT Flykillers:
Katydid (2d.) "Lanterns" (4d.)
also APEX Insect Guns • ERA Moth Cartridges and Sheets
ERA DDT Flyspray
DAK (Birdlime) for Mice and Rats—tubes 1/-, tins 1/9, 3/-
KAYBRO ANTI-MIDGE. Tubes 1/6

Write for samples and prices:

KAY BROTHERS LTD
Kayborough, Reddish, STOCKPORT

PEBOC LTD
MANUFACTURERS OF
VITAMIN D3

Enquiries to

SALES OFFICE,
629, TOWER BUILDING,
WATER STREET,
LIVERPOOL. 3.

LABORATORIES · CREENFORD · MIDDX

50 years ago—

this advertisement for Towle's Chlorodyne appeared in the first number of the Manchester Evening Chronicle. Even at that date, Towle's had established itself as a well-tried and popular remedy,

and to-day—

TOWLE'S CHLORODYNE

remains ever popular with the Pharmacist and his customers

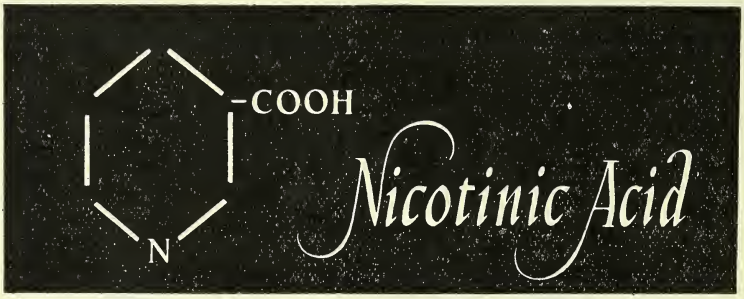
Ample supplies are available

RETAIL PRICES } 1/5½ and 3/5½ ncluding Purchase Tax

TRADE PRICES } 10/- and 24/6 dozen Plus 33⅓% Purchase Tax

Order through your usual Wholesaler or direct from :

AMES WOOLLEY, Sons & Co. Ltd., Victoria Bridge, Manchester, 3



Nicotinic Acid is now in adequate supply

New Trade Price List for Medical Specialities now available

Further information on request from

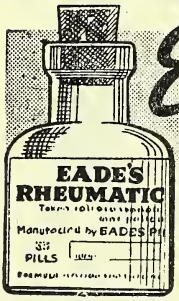
BOOTS PURE DRUG CO. LTD. NOTTINGHAM ENGLAND

Phone: Nottingham 45501

London Sales Office—71 Fleet St. London EC4 (Phone: Central 6901)

Boots

C-1



Eade's PILLS

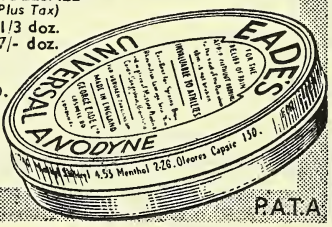
Eade's Rheumatic and Gout Pills, the remedy with a 100 year old fame.

RETAIL (Inc. Pur. Tax)	WHOLESALE (Plus Tax)
1/7	11/3 doz.
3/9	27/- doz.
6/3	46/- doz.

Eade's UNIVERSAL ANODYNE

Another Eade's product always in demand.

RETAIL (Inc. Pur. Tax)	WHOLESALE (Plus Tax)
1/7	11/3 doz.
3/9	27/- doz.



EADE'S PILLS LTD.
(Dept. C. & D),
232 Goswell Rd.,
LONDON, E.C.I.
Clerkenwell 3370

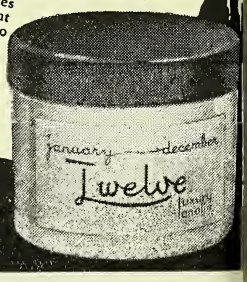
P.A.T.A

Outstanding

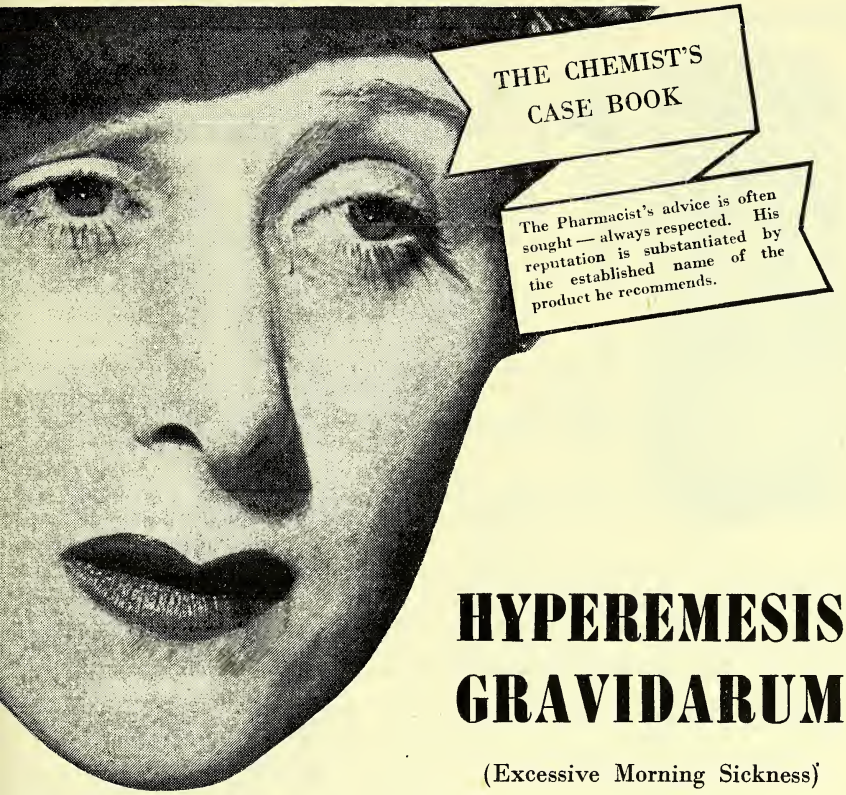
in it's new pack and especially for it's superfine quality

"TWELVE"
LUXURY LANOLIN

Samples and prices will gladly be sent on application to the
WESTBROOK LANOLIN Co.
Subsidiary of Woolcombers Ltd.
BRADFORD



A Westbrook PRODUCT



HYPEREMESIS GRAVIDARUM

(Excessive Morning Sickness)

For pregnant mothers whose morning sickness persists throughout the day, Benger's Food is often the only form of nourishment that can be assimilated and the only means of forestalling a more serious derangement of the digestive system. The mother's need is for nutriment, not stimulant. Benger's Food supplies the perfect nutriment — milk — but so modified that its nourishment is retained and the digestive organs soothed.

Another case for Benger's Food

90% *of your customers need Benger's Food and are being educated to ask for it.*

BENGER'S LIMITED, HOLMES CHAPEL, CHESHIRE

LAURENCES ONE SOLUTION HAIR DYE

An Old Favourite
now available in any quantity

RAVEN BLACK, BLACK, DARK BROWN, BROWN, LIGHT BROWN, GOLDEN BLONDE, CHESTNUT, AUBURN

Price . . . . . 15/- per doz. plus P/Tax
Retail price 3/1½. *(Prices not applicable to I.F.S.)*

HARKER, STAGG & MORGAN LTD. - EMMOTT STREET, LONDON, E.1

JACQUESIL FABRICS
LTD.
RED BANK MILLS, RADCLIFFE
Nr. MANCHESTER

makers of the famous
"DAWN" FACE CLOTH
Regd.

CAN NOW OFFER A RANGE OF

FACE CLOTHS
RAZOR TOWELS
AND
HAND TOWELS
FOR EXPORT

—unfortunately not for Home Trade

London Representative
G. H. Bolton, Charterhouse Chambers
Charterhouse Square, E.C.1

SELL
under your
"OWN NAME"

Vitamin Malt Extract
and
Malted Wheaten Food

Write for particulars or phone:—
KINGS OF KINGSBURY (Sales) LTD.
1, LONDON BRIDGE, S.E.1
Phone: HOP 2004

A skin care policy by GALA of LONDON

THAT BUILDS BUSINESS FOR *YOU*

(Previous advertisements described GALA'S Colour Policy of Lipstick matched to Clothes (No. 1), Make-up keyed to Lipsticks (No. 2), and Freedom in Complexion Colour based on the use of tinted foundations (No. 3)).

N° 4 *The basis of make-up is skin care*

No. 4 of this series is based on essential care of the skin. This policy is *not* a lavish one, claiming the use of many different creams and lotions. It is very simple and needs only a few basic preparations.

Cleansing

Foremost among these is a cleansing cream called GALA FACIAL CREAM. It is extra-soft in texture, nourishing in content and essential in use.

Conditioning

Next is a CONDITIONING CREAM required to normalise out-of-condition skins, or for dry skins requiring nourishment. It is a *very soft* cream, so as not to stretch skin tissues and is *non-greasy*—an ideal night cream that leaves no greasy surface.

Foundation

For those who prefer an untinted foundation, GALA offers a vanishing type of cream called GALA FOUNDATION CREAM. It is an excellent cream of its type and like all the GALA Skin-Care Creams, is very soft.

Softness, in fact, *is the keynote of all GALA Skin Care preparations.*

Other Preparations

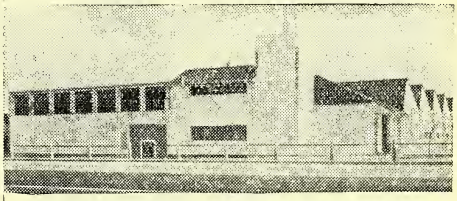
In addition, GALA offers a LOTION for the hands, or for cleansing where a cleansing milk is preferred; and a TONIC as an astringent for oily skins or for general toning.

That is all, no more—no less! They are all basic skin-care preparations, involving no accumulation of stocks on retailers' shelves of unnecessary 'sometimes-called-for' preparations.

Pack

The creams are packed in smart, black jars with gold labels that look perfect on every dressing table. The cartons in the distinguishing GALA gold and white striped design use a different colour for the name of each preparation, making stockkeeping and cream selection simple.

And so GALA of LONDON's Skin Care Policy, as its Colour Policy, is an active selling policy benefiting selected outlets in its simplicity and sales appeal.



GALA of LONDON's beautiful, modern factory at Surbiton, Surrey, where these beauty preparations are made.

The Fashion Leader in Colour in Make-up

Burlington Arcade, Piccadilly, London, W.1

istributors: MYRAM PICKER LTD., HOOK RISE, SURBITON, SURREY

BE PREPARED to meet the demand for these WELL KNOWN **CG** specialities:—

- **CARNATION Corn Caps.**
- **ADAPTOPLAST First Aid Dressings.**
- **EUPINAL**
- **G.P. ANTISEPTIC.**
- **HEALO OINTMENT.**
- **OZOMINT Tooth Paste.**
- **SANOIDS Mouth Wash Tablets.**
- **SANOID Dusting Powder.**
- **REGULOL Laxative Cream.**

In regular supply, only direct from :

CUXSON, GERRARD & Co., Ltd., OLDBURY

Good supplies now available

THE meat and malt extract in Winox—recommended by Doctors and Nurses for over thirty years—has been predigested by a special process. Good supplies are available again, and orders will be fulfilled without delay. Now is the time to get in stocks before the heavy demand which comes with the colder months.

Sole Distributors:
BROOKS & WARBURTON LTD
232 VAUXHALL BRIDGE ROAD
S.W.1

WINOX
Registered Trade Mark
BEAUFOYS WINES LTD., KINGSTON, SURREY

OWN NAME Counter specialities. We have facilities for providing the RETAIL PHARMACIST with all his requirements of "special brand" Packs.

EVINGTON VALLEY ROAD TEL. 24571 (2 LINES)
LILLIE HOUSE LONDON ROAD TEL. 58065
ESTABLISHED 1793

P.A.T.A.

A GOOD SHOW

will bring in the customers!

Beecham Home Medicines act as a magnet, and bring a steady flow of regular business to your counter. For that reason it is sound business policy to maintain displays of:—

BEECHAM'S LUNG SYRUP
BEECHAM'S PILLS
BEECHAM'S POWDERS

Colourful show materials are available on request to enable you to make attractive displays of these popular, quick-selling lines, whilst consistent Press and outdoor advertising provides a strong supporting link between the customer and your premises.

All enquiries should be addressed to:
BEECHAMS PILLS LTD
ST. HELENS,
LANCASHIRE

BUTLER & CRISPE

L. H. CRISPE ESTAB. 1777 R. P. GOWER

PROPRIETARY MEDICINES · CHEMISTS' SUNDRIES · TOILET GOODS

DON'T LET OUR MOTOR PASS YOUR DOOR

WE SPECIALIZE IN—

PROPRIETARY DRUGS

PRESCRIPTIVE PHARMACEUTICALS ETC.

TRY OUR PROMPT 3-WAY SERVICE

MOTOR — RAIL — POST

SEND YOUR ORDERS OR ENQUIRIES TO:—

80/84 CLERKENWELL ROAD · **LONDON** · **E.C.1**

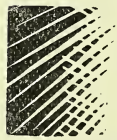
TELEPHONE: CLERKENWELL 3060 (15 lines) GRAMS: 'ALLUWANT' SMITH, LONDON

IBCOL *gives you* BIGGEST *advertising coverage!*

★ The STATISTICAL REVIEW shows that during the period of the last nine months — from August 1947 to April 1948 — IBCOL was the biggest advertiser in the field of disinfectants and germicides. IBCOL backs up your own window and counter displays with National and Local press advertising, posters on Hoardings and Buses, display cards on Tubes, etc.

That's why it pays to display IBCO products — They sell on sight!

IBBETSON · STEVENAGE · HERTS



Here's a winner!

This attractive special display outer 21/- (inc. P. Tax) contains six boxes of 20 capsules at 3/10 each. One box of 40 capsules at 7/2.

POSTAGE FREE

Relief from rheumatic pains, headaches, neuralgia, influenza, feverish colds,

Simpkins of Sheffield

A new customer for Millamalt

Stock up now and be ready to meet the increased demand there's going to be for MILLAMALT!

An advertising campaign— featuring more of these eager youngsters—is spreading the good news wider than ever before about this tonic malt food's *unique butterscotch flavour*, that has always made it such a firm favourite with children—and with adults too

Remember—MILLAMALT is the malt that cannot crystallize—it keeps indefinitely!

JM

MILLAMALT

Malt Extract with added Natural Vitamins

JEFFREYS MILLER & CO LTD WIGAN AND LONDON

WIGAN:—LEYLAND MILLS, WIGAN. Telephone: WIGAN 2327. Telegrams: MALTUM, WIGAN.
Cables: Code ABC 7th edition. LONDON:—19/25 Brookside Road, N 19. Telephone: ARCHWAY 3627

Introducing two NEW

GENUINE French Perfumes

● Specially for Christmas, Rimmel have introduced two really exceptional cosmetic lines — and remember if a product is exceptional it sells.

● Your women customers will buy this sophisticated genuine French perfume because : Its price is competitive, the bottles are French and attractive.

● Retail prices :

Decanter bottles 10s. each.

R-bottles 3s. 6d. each.

Vocalise and Ghislaine dipper bottles 6s. 6 each.

● It pays to stock—

Rimmel

48 NORTH ROW · PARK LANE · W.

wonderful COSMETIC LINES

● For the first time a Lip-Fashion Pencil is available for the home market.

t is new : it will be fashionable : and it be your best seller.

0 glorious shades.

ail price 7s. 6d.

ll price 4s. 1d.

● Don't miss these golden opportunities. Supplies are limited and orders will be met in strict rotation.

● It pays to stock—

Rimmel

8 NORTH ROW · PARK LANE · W. I

2 Products of unique scientific development . . .

SPIC CREAM DEODORANT

The Cream Deodorant that . . . DOES NOT DRY UP—DOES NOT LEAVE A POWDERY RESIDUE

Containing new Principles and Chemicals not previously used in this country—LAUNDRY TESTED to be harmless to fabrics.

16/4 per dozen + 5/5 per dozen Purchase Tax. Retail 2/6 inc. tax. Attractive Display cartons available.

and

SPIC COLOUR TONE HAIR RINSES

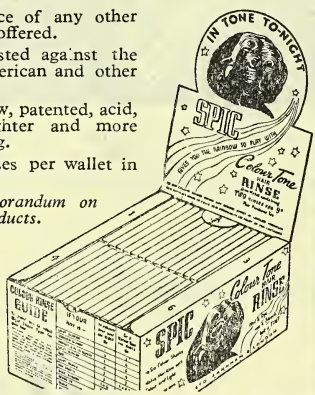
are in advance of any other colour Rinses offered.

Have been tested against the best from American and other Markets.

Based on a new, patented, acid, ensuring brighter and more efficient tinting.

Packed 2 Rinses per wallet in 6 shades.

Send for memorandum on these two products.



Per display carton (3 doz. wallets) 18/- per carton + 18/- purchase tax. Retail 1/3 per wallet.

R. DEMUTH LTD.

FARNHAM · SURREY

Dental Sticks are specially made for massaging the gums — They are not Tooth-picks —

Dental Sticks are manufactured from various types of specially selected soft and hard woods and also from whalebones and are intended entirely for massaging the gums between the teeth.

BRITISH DENTAL STICKS LIMITED
NEWCASTLE-ON-TYNE 4

DESBY'S

pure

HONEY, GLYCERINE & LEMON *Cough Linctus*

a popular product at a popular price, made from *real* Lemon Juice, *pure* Honey and Glycerine. The ingredients speak for themselves — you cannot afford not to stock this quick-selling line.

Ask also for particulars of our other pure food products

Sole Distributors in Scotland
Pharmaceutical Distributors Ltd., 187, St. Vincent Street, Glasgow, C.2.

STOCK and DISPLAY — it sells itself

Manufactured by
D. Bee Food Products Ltd., New Charles St., Goswell Rd., E.C.1

The new one-minute tablet test for detecting urine-sugar

CLINITEST

CLINITEST has been approved by the Medical Advisory Committee of the Diabetic Association. Doctors and Diabetics are writing enthusiastic letters about this unique *tablet* test. It is already widely used in America, Canada and other countries, and is now available in the United Kingdom. **CLINITEST** is a simple, fast copper reduction test with all reagents compressed in a single tablet. It is based on the same chemical principles involved in the Benedict Test, but with the following unique advantages :

NO EXTERNAL HEATING — The tablet generates its own heat. (No flame or water bath required).

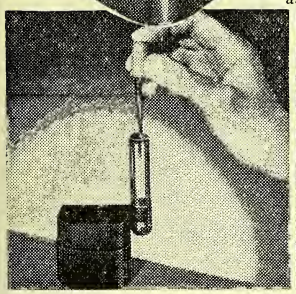
SIMPLICITY . . — Only three simple steps involved. (No measuring of reagents).

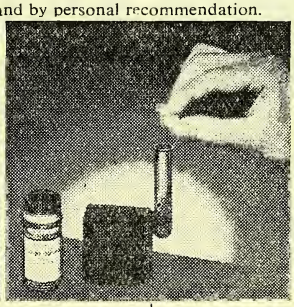
SPEED . . . — The complete test takes less than one minute.

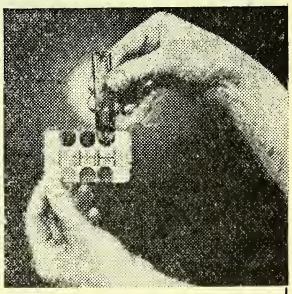
RELIABILITY . . — CLINITEST is equal in sensitivity and reliability to the other standard copper reduction tests.

CONVENIENCE . — All essentials are contained in a hygienic pocket-size case. (No bulky apparatus).

The use of CLINITEST is spreading rapidly among Doctors and Diabetics as a result of advertisements in the Medical Journals, The Diabetic Journal and by personal recommendation.







***Every Diabetic will be interested in* CLINITEST**

A supply of illustrated leaflets for distribution to the public with all sales of Insulin and other diabetic products will be sent with all orders.

CLINITEST SET, complete . **12/-** Retail } *Trade Dis.* 33⅓%
REFILL BOTTLE (36 tablets) . **4/-** Retail }

CLINITEST is *not* subject to Purchase Tax

For complete information write to :

DON S. MOMAND LTD

57 ALBANY ST, LONDON, N.W.1

Telephones { *EUS 1326* / *EUS 2076*

Sole Distributors for Ames Company, Inc.

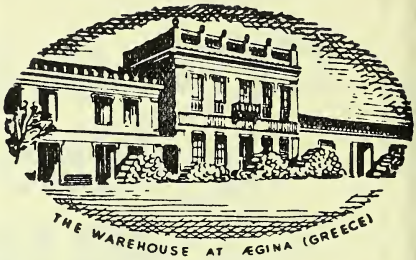
A PRODUCT OF THE AMES COMPANY INC., ELKHART, IND., U.S.A.

Blue Orchid Perfume

Created by
Delavelle

Price list showing profitable quantity discounts on this quick selling Series will be sent on application to:—

DELAVELLE (G.B.) LTD.,
38/46, ORSMAN ROAD, LONDON, N.1
Telephone No. Cle 6055



"RELIANCE"

SPONGES

"FINE WHEN WET"

You can rely upon the House with over 100 years experience in the sponge industry to give you every possible satisfaction. Your enquiries will receive our courteous, prompt and knowledgeable attention.

We have no connection with any other firm advertising sponges or chamois leathers in this Journal.

CRESSWELL BROS. & MARKS
(INTERNATIONAL SPONGE IMPORTERS LTD.)
5a BUCK STREET, CAMDEN TOWN, N.W.1
Gulliver 5462-3 Grams: Sponge, Norwest, London

IT'LL PAY YOU
to Stock
'STANVOX' Pastilles

WHY? (1) Because, thanks to the ready-made demand, they're easy to sell; and (2) because there's a good margin of profit for you.

- **'STANVOX' T. C. PASTILLES** for Throat and Chest in 1/1½ tins and 5lb. tins in bulk.
- **'STANVOX' THROAT MINT GUMS** another good line in 1/- tins and 5lb tins in bulk.

Produced by the makers of the popular Stanese Golden Pain Relieving Tablets.

Send NOW for terms and trial supply

STANESE, LTD.
415-7 Oxford Street, London, W.1
Phone: MAYfair 7838

Spraygloss is back!

To meet the demand for the 'Up-to-the-minute' hair beautifier

- ***SPRAYGLOSS IS DIFFERENT!*** A new kind of hair-beautifying preparation that sprays loveliness and sparkle into every shade of hair. Spraygloss has been perfected over a long period of test and research.
- ***THE MARKET IS GREAT.*** Now that supplies permit, Spraygloss is being launched nationally. It is already a sales success in the selected areas to which previously it had to be limited owing to material shortages.

- ***IT'S NEW BUSINESS FOR YOU— SIMPLE TO STOCK— EASY TO SELL!***

Spraygloss comes in two types :—

No. 1 for normal or dry hair; No. 2 for naturally oily hair. Both types are sold in complete "bottle with spray" packs and also in refill packs. No complications with different shades for different colours of hair.

- ***YOU CAN STOCK WITH CONFIDENCE*** because Spraygloss :—
  - ★ is marketed by D. & W. Gibbs Ltd.
  - ★ gives generous Trade Terms
  - ★ retails complete with Fyne-mist Spray at **ONLY 5/8** *(inc. tax)*

    Refills 3/2 *(inc. tax)*

Spraygloss

Brings beauty to women – ***PROFIT TO YOU!***

SPT 1-956 D. & W. GIBBS LIMITED

D

- builds winter sales

" The butterscotch flavour " will again be in favour. Last year's customers will come again for more, and they will recommend others to " Autumn Sun." National advertising will bring in the season's new business to stockists, for whom there is this FREE and

ATTRACTIVE DISPLAY

in the form of a full-colour, self-standing showcard (only 9½ x 8½ inches) holding a 1-lb. actual jar with its attractive label.

Retail prices are right and trade terms generous. On P.A.T.A. list.

EDME LTD., IMPERIAL HOUSE, REGENT STREET, W.1

Telephone REGent 5563-4. 'Grams " EDME," Piccy London. Works: MISTLEY, ESSEX

★ *A delightfully scented hand jelly strongly advertised. Attractive show material available.*

Marion Moore's

WITCH HAZEL JELLY

Marion Moore's Witch Hazel Jelly . . . containing glycerine and lemon oil. In handy tubes 1/6 retail (including Purchase Tax). Price to retailer 7/- per doz. Purchase Tax, 7/- per doz.

Distributors to the Chemist Trade

E. DAVIDS & Co. Ltd., 378 Essex Rd., Islington, N.1
Tel. No.: CLI 5571

HANNETTA LTD.
Humber Road, London N.W.2

MAKERS OF *Marion Moore's* LIQUID SHAMPOO

STOCK THIS TOOTH PASTE!

Everybody will like this new tooth paste with the extra strong peppermint flavour that lasts.

ATTRACTIVELY PACKED IN ONE DOZEN. DISPLAY OUTER.

Generous profit margin. Steady Advertising planned.

PER TUBE

1/9 INCL. P.T.

All enquiries and orders to:—

DENTOMINT LIMITED
14 BLENHEIM TERRACE
ST. JOHN'S WOOD, LONDON, N.W.8
Telephone: MAIDA VALE 8061/2

TYE *a knot . . . remember*

Now is the time to order

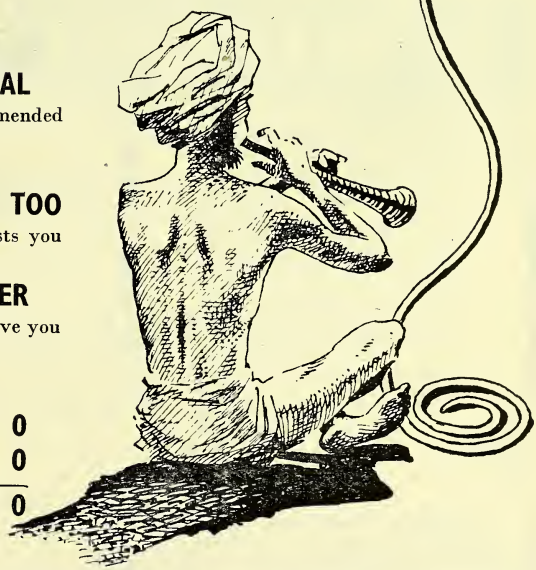
TYEVITE

VITAMIN CAPSULES

- EACH CAPSULE CONTAINS
  HALIBUT LIVER OIL M.3
  (Vit. A 4500 i.u., Vit. D 600 i.u.)

+ *PLUS* +

Vitamin B1 (Aneurin hydrochloride) ...	0.3 Mg.
Vitamin B2 (Riboflavin) ...	0·5 Mg.
Vitamin C (Ascorbic Acid) ...	15·0 Mg.
Vitamin E (Tocopheryl acetate)	0.15 Mg.
Calcii Phos.	20.0 Mg.
Ferri Phos.	100.0 Mg.



TYEVITE IS ECONOMICAL

One capsule a day is the recommended prophylactic dose.

A 5/- Tin contains 25 days supply

TYEVITE IS PROFITABLE TOO

One Display carton of 12 Tins costs you 40/- BUT

FOR CASH WITH ORDER

We allow you 2½% discount and give you

A BONUS TIN

in every dozen

Nett Outlay	**£1 . 19 . 0**
13 Tins sell for	**3 . 5 . 0**
PROFIT	**£1 . 6 . 0**

One of the range of TYE BRAND products made by John Tye and Son Ltd., London, N.7
Manufacturing Chemists and Capsule Makers for over a Century

Heléna puffs

The world's finest Puffs, made by the world's leading Puff manufacturers. All sizes — 60 designs — in Swansdown, Lambskin, Lamb's-wool, Beaver and Velour. Hygienically made, most attractively packed and *nationally advertised.*

Please apply to your local Wholesaler for details.

HELÉNA PRODUCTS
NEW SOUTHGATE, N.11

PUBLIC GOODWILL

Box's Pills have kept this Flag Flying for over 50 years and the demand now is greater than ever.

P.A.T.A.

PRICES
(Inc. P. Tax)
1/5 3/4
5/5
13/4 & 24/2

Box's Pills

W. H. BOX
161
KING STREET,
PLYMOUTH.

"Silktona"

HOME PERMANENT WAVE

(*Guaranteed*)

PRICE TO THE PUBLIC
3/9d. Including Tax

Order NOW from your usual Wholesalers

Sole Distributors :

ALFRED FRANKS & BARTLETT CO. LTD.

AUDREY HOUSE, ELY PLACE, LONDON, E.C.1

EST · 1812

Potter's

IODINE & IODIDES

CONTINUOUS RESEARCH

Progress, and with it experience, is necessary to give confidence to customers during these days.

We have made that progress, and gained with it that experience which enables us to give the best possible service to all in the trade.

POTTER & CLARKE LTD.

60-64 ARTILLERY LANE, LONDON, E.1
BIShopsgate 4761

77 DANTZIC STREET, MANCHESTER
BLAckfriars 8734

REGISTERED
SUBA-SEAL
TRADE MARK

NURSERY RHYMES HOT WATER BOTTLES — sell like hot cakes

They appeal to parents. Kiddies like them and of course they are safe to use, in fact they are Britain's Newest Hot Water Bottles — Safe and Trouble Free.

- NO TROUBLESOME SCREW
- NO LEAKAGE
- NO AIR LOCK
- SPLUTTER FREE
- SEAMLESS AND STRONG

A display will keep your till busy.

Your usual Wholesaler can supply or in case of difficulty write to:—

WILLIAM FREEMAN & COMPANY LIMITED

SUBASEAL WORKS, PEEL STREET, BARNSLEY

Telephone BARNSLEY 4081 | Telegrams 'SUBASEAL BARNSLEY' | Cables 'SUBASEAL BARNSLEY'

'EMPIRIN' COMPOUND "25's" *are now* strip-packed

Every product sealed in its own protective pocket

ere is yet another striking sales-point for 'Tabloid' brand 'Empirin' ompound. The new strip-packing of this famous analgesic is lighter . . . ore convenient . . . and guards each product *individually* from moisture or nance contamination. One or more of the wax-sealed products can be readily etached from the strip, and safely carried loose in the purse or handbag. onus terms and list prices remain unchanged. Attractive showcards are vailable. A special display outer is supplied with every order of from two to x dozen, and *pro rata*.

'Tabloid' BRAND **'EMPIRIN'** TRADE MARK **COMPOUND**

(Acetylsalicylic Acid)

Retail prices : Packs of 25, 1/5d. *plus* 4½*d. tax* Bottles of 100, 4/6d. *plus* 1/1½*d. tax*

BURROUGHS WELLCOME & CO. *(The Wellcome Foundation Ltd.)* **LONDON**

(T.49a)

PATA

QUALITY ENDURES

TRADE MARK

ESTABLISHED 1794

"Dr. JENNER'S ABSORBENT LOZENGES"

TRADE MARK BRAND

Digestive Tablets

The proved specific for digestive disorders is "Dr. Jenner's Absorbent Lozenges." Discovered 150 years ago by the great pioneer of vaccination, this is one of the very few proprietary medicines regularly prescribed by General Practitioners and by Specialists.

"MEDILAX"

TRADE MARK BRAND

Laxative Pellets

Meeting the need for something more persuasive than ordinary laxatives. "Medilax" is imperative without being discomforting and, unlike drastic purgatives, does not induce a subsequent state of constipation which is often more acute than the first.

"MORYL"

TRADE MARK BRAND

Carbachol

Powerful parasympathetic stimulant.

"TETRONOX"

TRADE MARK BRAND

Tablets

Reliable, hypnotic and sedative.

MARTINDALE

"E·S·T·P"

TRADE MARK BRAND

Ether-Soluble Tar Paste

An advance in coal tar therapy. Of particular value in eczema of all forms.

MARTINDALE

"STERULES"

TRADE MARK BRAND

Wide range of products for injection.

SQUIBB

"QUINOLOR"

TRADE MARK BRAND

Compound Ointment

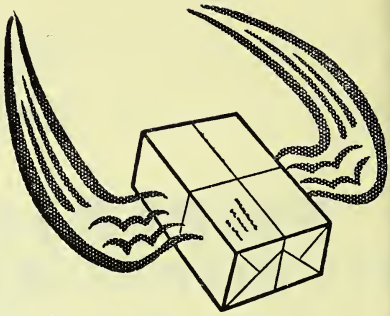
Tissue-repair promoting Antiseptic.

Full details on request to :—

Savory & Moore, Ltd.

Chemists to The King

Lawrence Road, Tottenham, N.15



OXOID Therapeutical Preparations are despatched with unfailing promptness, and reach you with gratifying speed.

This is a service you can rely on; every order is an emergency order.

Write, telephone or wire your instructions.

OXO LIMITED

MEDICAL DEPARTMENT

THAMES HOUSE, QUEEN ST. PLACE, LONDON, EC4

TELEPHONE CENTRAL 8781

The
CHEMIST AND DRUGGIST
for RETAILER—WHOLESALER—MANUFACTURER
SEPTEMBER 25, 1948
Published weekly at 28 Essex Street, Strand, London, W.C.2
Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London,"
ingle copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/

No. 3579 **CONTENTS** Volume CL

Business Changes 399
Chemists' Exhibition 412
Coming Events 405
Company News 399
Conference on Pricing 396
Correspondence 419
Deaths 398
Editorial Articles:—
Averaging OUT 409
Balance of Payments 409
Titles and Claims 410
Fifty Years Ago 415
Information Wanted 408
Instruments and Apparatus 406
Irish News 394
Legal Reports 399
Marriages 398
Ministry of Health Statement ... 396
News of the Week 393
Overseas News 395
Pharmaceutical Conference Science Papers 416
Pharmaceutical Society of Ireland:—
Council Meeting 414
Poisons Labelling Changes under the B.P. 1948 402
Topical Reflections 397
Trade Marks 424
Trade Notes 400
Trade Report 420
Wills 398
World Mineral Industries 423

NEWS OF THE WEEK

D.D. Authorities Restored.—The Home Secretary has restored to John Stuart Prentice, M.B., Ch.B., Glasgow University, the authorities under the Dangerous Drugs Act and Regulations that were withdrawn from him in 1946.

F.B.I. Production Committee. — The Federation of British Industries has set up a production committee to advise what further steps the Federation should take to increase productivity in industry, while putting on record its view that the success of the Committee's work will remain limited so long as present restrictions on capital expenditure are maintained.

Appeal for Blood Donors. — Blood donors in England and Wales are to receive through the National Blood Transfusion Service an illustrated brochure, "Life Blood," thanking them for their services, describing what happens to the blood they give, and asking them to encourage their friends to become donors so that the number of donations needed (between 400,000 and 500,000 during the next twelve months) will be forthcoming.

Safety in Chemical Works.—A conference on safety methods in chemical works is being held at Harrogate, October 29-31, under the auspices of the Association of British Chemical Manufacturers and the Royal Society for the Prevention of Accidents. The speakers include Sir Ewart Smith and Mr. J. E. Braham (both of Imperial Chemical Industries, Ltd.), Mr. H. R. Payne (chairman, A.B.C.M. works safety committee) and Dr. J. Gwynn Morgan (Mond Nickel Co., Ltd.), and the chairman of the working sessions is to be Mr. J. Davidson Pratt (secretary, A.B.C.M.).

Chemical Society Research Grants.—Applications for grants from the research fund of the Chemical Society should be submitted not later than November 1 on forms available from the general secretary, Burlington House, Piccadilly, London, W.1. The fund, with an annual income of about £700 derived from a donation from the Worshipful Company of Goldsmiths, the Perkin memorial fund, and other sources, provides grants for the assistance of research work in all branches of

chemistry. Prior consideration is given to applications from Fellows of the Chemical Society.

Visit to Barnard Castle. — A party from the Durham County Branch of the Pharmaceutical Society visited the antibiotic production plant of Glaxo Laboratories, Ltd., at Barnard Castle, on September 15. The visitors, after being shown round the plant, were entertained to tea by the company.

Films for Scientific Research.—A conference on "The Film in Scientific Research" is being held at the Royal Institution, 21 Albemarle Street, London, W.1, on October 12. The morning session is to discuss the film as a research tool in astronomy, physics, chemistry and biology. The afternoon programme includes discussions on the use of films in (1) training scientists; (2) providing up-to-date information in a particular field; and (3) explaining research to the general public. Among the speakers on the technical aspects of such work is to be Mr. G. A. Jones, M.A., A.R.I.C., F.R.P.S. (research laboratory, Kodak, Ltd).

British Exhibition, Copenhagen.—At the opening on September 18 of the British Exhibition in Copenhagen, tribute was paid to the feat of organisation by which the products of more than 1,100 British manufacturers had been accommodated. The exhibition, which was opened by the King of Denmark, was organised by the British Import Union of Denmark in collaboration with the Federation of British Industries. Displays in the forum and forum annexe include chemical products, while in a new building, the Gutenburghus, are shown photographic equipment, fancy goods and a display of scientific instruments.

Lancashire Analyst's Report.—Pharmaceutical products tested by the Lancashire public analyst during 1947 and found to show evidence of deficiency or adulteration, are recorded in his recently-published report for that year. They included seidlitz powders (white packets not of correct weight), glycerin of borax (borax deficiency), boracic ointment (boric acid excess), camphorated oil (camphor deficiency), glycerin (water excess), Glauber's salt (water of crystallisation deficiency) and Gregory's powder (magnesium oxide instead of carbonate). Samples incorrectly labelled included a cough mixture, saccharin tablets and olive oil (labelled "for external use only" yet with acid value of 12.3).

IRISH NEWS

Northern Ireland Advertising Ban.—A regulation made recently by the Northern Ireland Ministry of Health and Local Government under the Health Services Act prohibits chemists from advertising that they are providing pharmaceutical services under the Act.

Golf Meeting at Lisburn. — At the autumn meeting of the Ulster Chemists' Golfing Society at Lisburn on September 8, the captain's prize was won by Mr. J. C. Watt, Bangor. Other prizewinners were Messrs. B. Flatley, G. Smith, R. Burton, J. Kennedy, and J. Currie. Mr. R. McCutcheon (captain) presided at a social evening which followed; the guests included Messrs. J. C. Acheson (president of the Ulster Chemists' Association) and W. Gorman (secretary, Pharmaceutical Society of Northern Ireland). Mr. A. Steede, Belfast, was elected *Captain* for 1949.

N.I. Council Nominations. — The five retiring members of the Council of the Pharmaceutical Society of Northern Ireland are to be declared re-elected at the annual meeting of the Society in Belfast on October 5. When nominations closed on September 20, no other names had been put forward. The retiring members are Messrs. John McGregor, Belfast (president), H. H. Cowzer, Belfast (vice-president), Walter C. Tate, Belfast (a past-president), and W. P. Ewart, Armagh, who was recently co-opted. Mr. James Irwin, Dunmurry, has again been nominated as the druggists' representative.

Eire College Time-table Changes.—Pharmaceutical students in Eire should note the extension of all sessions for 1948-49. Under the new arrangements there will be only two booking dates in the year, October 1 (for all classes commencing the following February) and March 1, 1949 (for all classes commencing the following October). Evening lectures in chemistry commence on October 4 and terminate on June 29, 1949. Chemistry day lectures are to be held from October 4 to February 18, 1949. Chemistry day lectures start again on February 21, 1949, and terminate on July 1. Pharmacy evening and day classes commence on October 4 and terminate on February 18, 1949. Evening and day pharmacy classes commencing February 21, 1949, and terminate on July 1. Classes in botany, materia medica and zoology (both evening and day) commence on October 5 and finish on February 18, 1949. For the second

ssion the evening and day classes com-
nence on February 21, 1949, and ter-
ninate on July 1, 1949.

Eire Council Nominations. — Nomina-
ons closed in Dublin at noon on Septem-
er 20 for the seven triennial vacancies
hich fall due in the membership of the
ouncil of the Pharmaceutical Society of
reland. A new entrant is Mr. Anthony
loysius Toher, Ph.C., Sligo, who was
ominated by Mr. F. J. Roche, and secon-
ed by Mr. J. J. Roche (president, Irish
rug Association). The seven outgoing
nembers of the Council are Messrs. J. K.
Vhelehan, Mullingar, M. Costello, Dub-
n (immediate past-president of the
D.A.), J. P. Kissane, Tipperary, Senator
rank Loughman, Clonmel, T. C. Scott,
ublin (this year's vice-president), P.
rooke-Kelly, Enniscorthy, and R. Daly,
ork. One of the seven out-going candi-
ates is not expected to seek re-election,
which event there will be no contest.
n eighth vacancy on the Council has been
aused by the death of Mr. B. Sullivan,
allow, co. Cork, and it is likely that a
ew member, probably from the south of
ire, will be co-opted in his place.

Ulster Chemists' Association. — The
llowing new members were elected at the
eptember meeting of the Executive Com-
nittee of the Ulster Chemists' Associa-
on:—T. Hassard, Ltd., Newtownstewart;
Messrs. A. G. Bryson, Crossmaglen, G.
urrie, Antrim (branch shop), E. R.
IcDonagh (successor to Mr. W. A. Mur-
hy) Lisnaskea, and W. E. Webb, Bangor.
he following, who had been approved by
he Associates' Committee, were elected to
ssociate membership:—Messrs. S. M.
Davis, Ph.C., and T. S. Hart, Ph.C.;
Messrs. D. R. Anderson, J. N. Dougherty,
. McGrath and J. S. Kyle (assistants);
Miss N. Eastwood and Messrs. J. Killick,
V. G. S. Coulter, and R. N. W. Clark
apprentices). Sympathy was expressed
vith the relatives of the late Mr. J. McCar-
hy, Kircubbin, and Mr. J. J. McNamee,
Newry. The secretary (Miss A. E. Stra-
han) reported that she had been advised
y the Ministry of Health that payment for
prescriptions dispensed in May and June
nder the old National Health contract
vould be made during September. A re-
uest had been made to the General Health
ervices Board that an interim payment
overing July prescriptions should also be
nade in September. It was reported that
he eight retiring members of the Commit-
ee had offered themselves for re-election.

OVERSEAS NEWS

U.S. Chemical Exhibition. — The fifth U.S. National Chemical Exposition and National Industrial Chemical Conference is being held in Chicago October 12-16.

Pyrethrum Shortage.—The Kenya Farmers' Association, as agents for the Pyrethrum Board, announced, at a recent conference held in Nakuru, that world demand for pyrethrum now greatly exceeds supplies.

New U.S. Streptomycin Plant.—A plant for the production of streptomycin by a new process was recently put into operation at the works of the Heyden Chemical Corporation, Princeton, New Jersey, U.S.A.

Anglo-U.S. Medical Liaison. — At the twenty-sixth annual scientific and clinical session of the American Congress of Physical Medicine, held in Washington, D.C., U.S.A., recently, representatives from Britain expressed their hopes for an increasing exchange of views between the physical-medicine specialist organisations of the two countries.

B.C.G. Vaccination for Ceylon. — Prevention of tuberculosis through mass B.C.G. vaccination, recently begun in India, is being extended to the Dominion of Ceylon under the auspices of the World Health Organisation. Supplies of vaccine are to be made available from the King Institute, Madras, which was established with equipment purchased from Denmark with the help of the World Health Organisation.

Record U.S. Drug Exports. — The American drug industry exported a record quantity of drugs during the first half of 1948, valued at $95,800,000 ($3,200,000 more than the previous record of January-June 1947). The total does not include Marshall plan shipments. The Economic Co-operation Administration has authorised for drug purchases more than $6 million, a substantial part of which has been earmarked for streptomycin.

Italian Pharmaceutical Industry. — Italian production of pharmaceuticals and, in particular, of medicinal specialities, has been stepped up considerably in the past few months. If the industry can obtain sufficient drugs and semi-manufactured products, it will soon be able not only to cover nearly all home requirements but also to export good quantities of certain products. At present the industry comprises 800 factories.

CONFERENCE ON PRICING

REPRESENTATIVES of Pharmaceutical Committees met in London on September 21 under the auspices of the National Pharmaceutical Union. The Conference was described by the chairman (Mr. G. H. M. GRAHAM) as the first of its kind and as therefore requiring "some amount of foundation-stone laying." The most important item on the agenda was the method to be adopted for payment of chemist contractors. The chairman said that embarrassment caused by delays in paying chemists' accounts should not be allowed by chemists to prejudice their whole future. There was vigorous discussion on the relative merits of two schemes before the meeting for the payment of contractors—Appendix A, put forward by the Ministry of Health, based on a system of averaging; and Appendix B, an alternative plan advanced by the N.P.U. based on a series of flat rates of advance payments according to the number of prescriptions per form. Members from all parts of the country urged rejection of both plans, on the ground that payment in full was perfectly possible, and a resolution that both plans should be refused and full pricing instituted was carried unanimously and with acclamation.

The text of the resolution that was passed was as follows:—That the Executive be authorised to proceed with a scheme for the full pricing of prescriptions on the basis of the suggested sorting of prescriptions, combined with an advance payment of 1s. 10d. or more if possible.

A Plan for Full Pricing

THE CHAIRMAN pointed out that, as an outcome of that decision, no plan at all would be in operation in October. MR. G. A. MALLINSON put forward five proposals for initial sorting into bundles by contractors which would, he thought, enable full pricing to be put into practice:—1. Prescriptions including nothing but N.W.F. preparations; 2. Prescriptions for appliances, with or without N.W.F. preparations; 3. Prescriptions containing proprietaries; 4. Prescriptions involving any special claims; and 5. Prescriptions for trusses and surgical hosiery. Mr. Mallinson's suggestion gained the full support of the meeting.

The Conference also empowered the employers' section of the National Joint Industrial Council for Retail Pharmacy to give consideration to an application by the trade union section for an increase in basic rates of wages.

Ministry of Health Statement

THE Ministry of Health issued the following statement on September 22:—

During the summer, following discussions between representatives of the contractors' negotiating committee and the Ministry of Health, extensive statistical analyses of prescriptions have, with the agreement of those representatives, been made to establish the scales of fees for different classes of medicament, which would produce an average dispensing fee of one shilling for all prescriptions (other than those for which special fees were to be paid). Both sides acknowledged the need for a new basis for payment which would incorporate scales of fees graded for quantity and dosage. It was agreed that the analysis of a statistical sample of prescriptions was required to show that the quantity and dosage basis suggested by the Ministry was reasonably fair to all chemists. August prescriptions were selected for this test, as the removal of purchase tax did not become operative for pricing purposes until August 1. Over a quarter of a million prescriptions were analysed. To ensure that the data should be ready in time for the contractors' conference on September 21, it was necessary to interrupt pricing for about a week. By intensive overtime, the task has been completed in all pricing bureaux except one. It is regretted that this essential work may occasion some delay in the full payment of chemists' accounts in those areas.

N.P.U. Comment on Statement

COMMENTING on the statement on delay in payment made by the Ministry (see above), Mr. G. A. Mallinson (secretary, National Pharmaceutical Union) stated: "The Contractors' Committee representatives were not informed that the data required to support the Ministry's averaging plan would delay the chemists' payments, and cannot accept any responsibility for the upset caused in the pricing offices by the requirements of the Ministry. Apart from a verbal statement on September 20 on the results of the examination of average ingredient values for mixtures, no results of the investigation undertaken by the Ministry have yet been communicated to the Contractors' Committee. A scale of fees related to dosage and quantity was submitted by the Ministry before any August prescription inquiry was undertaken. No suggestions that the scale is to be modified as a result of the August inquiry have been put before the Contractors' Committee by the Minstry.

TOPICAL REFLECTIONS

Preservatives for Medicaments

The papers and discussion occupying the Symposium Session at the recent British Pharmaceutical Conference (pp. 383-86) throw welcome light on a subject that concerns all engaged in the preparation and dispensing of medicaments. Veterans who have, during most of their lives, adhered faithfully to double-strength chloroform water as a safe basis for acacia mucilage and various other liquids must take note of Professor Brindle's caution that it is liable to lose its chloroform by evaporation, hydrolysis, or both. The general use of bottle caps made of some plastic substance and lined with cork raises other problems. Three speakers contributed valuable suggestions (p. 384) for overcoming these difficulties. A serious point is the possibility—even, we may say, the probability—of toxic symptoms following the employment of stabilisers in injections and external applications. This matter primarily concerns medical research; but the help of expert pharmacists is needed. The fact that considerable changes in methods of sterilisation have been seen recently in the British Pharmacopœia and in that of the United States indicates that science is still far from its goal of devising efficient methods for sterilising every type of injection and application. Mr. A. G. Fishburn's forecast (p. 386) that eventually medicaments will be made with "a synthetic excipient which, being standardised and inert, would not involve stabilisation problems" strikes me as more daring than our present knowledge justifies. Such an excipient would have to possess the power of controlling the other ingredients with which it was combined, and of obviating all risk of toxicity.

British Association Meeting

The annual meeting of the British Association normally brings into prominence scientific topics of permanent though fluctuating interest; and this year's gathering at Brighton (pp. 367, 376) conformed to the accepted pattern. From Press accounts of Sir Henry Tizard's presidential address I have selected two leading themes. One is that this country is relatively strong in scientific research but weak in technological applications of that research: it follows that technology must be increasingly developed wherever the need for it is found. The other theme is that the peace and prosperity of the world in the near future will largely depend on the expansion of biological sciences. This declaration, coming from a distinguished and impartial source, gives a lead to those whose duty it is to formulate policies in industry. From different quarters comes the warning that the feeding of the world's population is virtually certain to be a grave problem within a comparatively short period this warning has, of course, a bearing on the growth of crops and the breeding of animals. In this connection the third of Mr. A. J. Way's articles on insects and insecticides (p. 372) is relevant. His remark that "no one insecticide is the complete answer to the problem of insect-pest control" points to the need for continuing research in this department of chemistry. Reports hitherto received are in conflict with each other concerning the disturbance of the balance of nature by various insecticides. Users of these products want a more exact knowledge of this aspect of the subject than they at present possess.

Structure of Protein

When writing, a fortnight ago, on the relationship between sciences I had no "advance knowledge" that this fact would be illustrated in certain sectional meetings of the British Association at Brighton. Yet it happened that the themes expounded by the president appeared, with a somewhat different approach, in the opening address of Sir Lawrence Bragg, president of Section A. Dealing primarily with the *x*-ray study of crystals, Sir Lawrence Bragg advised young students of physics to realise that nuclear physics is not necessarily the principal field of study. We must attempt, he continued (here I quote from "The Times"), "to understand how the properties of matter in bulk were determined by its atomic construction. Science was so rich and unexpected in its surprises that one never knew what odd bit of information might supply the necessary clue to the solution of a problem." Among complex substances to be investigated further he instanced protein. Each kind of protein, he said, appeared to consist of identical molecules. "Their photographs were like a message in code which we could not yet decipher." In that statement we have a striking example of the range of a particular method of analysis. A subsequent speaker in the same section gave an outline of work now in progress on the structure of hæmoglobin and other proteins.

Xrayser

MARRIAGE

MAGEE-FEARREL.—At Omagh, on September 14, William Dunn Magee, M.P.S.N.I., Strandtown Lodge, Holywood Road, Belfast, formerly of Strabane, to Isobel Mary Fearrel, Brookvale, Killycrack.

DEATHS

CROSSLEY.—On September 5, Mr. Albert Crossley, M.P.S., aged seventy-five. Mr. Crossley was an elementary school teacher for thirty years before qualifying as a pharmacist in 1926 at the age of fifty-two, after an apprenticeship with his son, Mr. John Crossley, Ph.C. For the past thirteen years he had been engaged in temporary and locum work.

DAVIS.—On September 7, Mr. Richard Llewellyn Davis, 55 West Street, Dorking, Surrey, aged seventy-five.

GAMBLE. — Suddenly, at Valley Field, Mount Park, Harrow-on-the-Hill, Middlesex, on September 16, after a long illness, Mr. Frederick William Gamble, Ph.C. Entering pharmacy with—in his own words—"no special predilection" for the craft, Mr. Gamble rose to be one of the most important figures in the profession. He served his apprenticeship with the late Mr. Herbert Dixon, Kensington, London, qualifying in 1894 and passing the Pharmaceutical Chemist examination in the same year, gaining at the same time the Society's bronze medal. In subsequent retail work in London he became active in the London Chemists' Assistants' Association. In 1900, after a short period at the Plough Court pharmacy of Allen & Hanburys, Ltd., he was transferred to the company's Vere Street branch as manager, eventually becoming vice-chairman and managing director of the company. From 1900-07 he spent considerable time on revision of the British Pharmaceutical Codex, and was later similarly occupied with the 1911 edition. Mr. Gamble was a regular member for many years of the British Pharmaceutical Conference, of which he was chairman in its Diamond Jubilee year.

HEWITT.—On September 6, Mr. T. C. Hewitt, a former director of Evans Medical Supplies, Ltd. Mr. Hewitt had a long service with Messrs. Evans. He was assistant secretary to the company before being appointed to the board in November 1922; he retired in June 1932.

HOOPER.—At West Hatch Vicarage, near Taunton, Somerset, Mrs. Hannah Carr Hooper, wife of the late Mr. David Hooper, LL.D, Ph.C., F.R.I.C., a past president of the British Pharmaceutical Conference.

RIXEN.—At 70 Church Road, Staple Hill, Bristol, Mr. Ernest Alfred Rixen, M.P.S., a director and the superintendent of Ideal Chemists, Ltd., Staple Hill, Bristol. Mr. Rixen qualified in 1904.

SAVAGE.—On August 12, Mr. Pryce Hughes Woosnam Savage, 2 Lorme Street, Oswestry, Salop, aged sixty-one. Mr. Savage was superintendent of H. Worth, Ltd., 4 Welsh Street, Bishops Castle.

SLANN.—At Mountfield nursing home, Leeds, on September 16, Mr. Arthur Ernest Llewellyn Slann. A message from W. J. Bush & Co., Ltd., reads:—"It was with deep regret that the directors received the announcement of the death of Mr. A. E. L. Slann whilst he was on vacation in Yorkshire. The death took place suddenly as a result of a thrombosis condition. The cremation service, held in Leeds on September 20, was attended by Mr. B. and Miss V. A. Y. Slann (brother and sister of the deceased), together with members of the directorate and staff of the company and other friends. The untimely death of Mr. Slann at the age of sixty-six brings to a close forty-seven years of devoted and most able service to W. J. Bush & Co., Ltd. Mr. Slann was one of the earliest chemists engaged by the company, and became a senior member of its technical staff, maintaining liaison between the head office laboratory and the various factories situated in this country and overseas."

TILLEY.—At the Royal Masonic Hospital, on September 6, Mrs. Florence Tilley, wife of Mr. Ernest Alfred Tilley, M.P.S., formerly of Droitwich, Ches, aged sixty-eight.

WILLIAMSON.—On August 29, Mr. James Williamson, M.P.S., 7 Oakland Road, Liverpool, 19, aged forty-two.

WOODRUFF.—At 1 New Tree Road, Stockport, Ches, on August 31, Mr. Walter Woodruff, M.P.S., 46 Station Road, Cheadle Hulme, Ches.

WILLS

MR. G. LAWSON, M.P.S., 4 Harris Street, Darlington, co. Durham, left £891 (£851 net).

MR. J. S. T. GOODSWEN, M.P.S., 34 Windsor Road, Redcar, Yorks, left £6,753 (£6,216 net).

MR. B. L. M. ANDREWS, M.P.S., 30 Station Road, Beccles, Suffolk, and 30 Harley Road, Great Yarmouth, Norfolk, left £9,978 (£9,947 net).

MR. J. M. BOUCHER, Ph.C., Denegarth, Leigh Woods, Bristol, a director of Ferris & Co., Ltd., Bristol, left £79,293 (£78,553 net).

LEGAL REPORTS

Committed for Trial. — At Grimsby borough magistrates' court, on September 10, Horace Thompson, Nunsthorpe, was committed for trial at Grimsby quarter sessions in October on a charge of breaking and entering the office of Osmond & Co., Ltd., manufacturing chemists, Moss Road, Grimsby, between August 13 and 17, and stealing £619.

Pharmacy Act Fine.—At Southampton magistrates' court, recently, George E. Gibson, Ltd., chemists, Portswood Road, were fined £10, with £5 5s. costs, on the first of five charges under the Pharmacy and Poisons Act, 1933. The summonses related to sales of poisonous preparations otherwise than under the supervision of a pharmacist. No action was taken on the remaining four charges.

COMPANY NEWS

Henry J. Turnbull, Ltd. (P.C.). — Capital £1,000. To carry on the business of wholesale or retail chemists, etc. Joseph Garbutt, M.P.S., and Phyllis Garbutt, directors. R.O.: 49 Roker Avenue, Sunderland.

M. L. Alkan, Ltd. (P.C.).—Capital £10,000. To carry on the business of manufacturers of, and dealers in, chemicals of all kinds, etc. Max L. Alkan and Kaete Alkan, directors, 15 Courtleigh Bridge Lane, London, N.W.11.

C. H. White (Oldbury), Ltd. (P.C.).—Capital £8,000. To acquire a business of a chemist and druggist carried on at Oldbury. Charles H. White, Henry M. White and Patricia M. White, directors. R.O.: 3 Birmingham Street, Oldbury.

Redman Chemical & Physical Instruments, Ltd. (P.C.).—Capital £100. To carry on the business of chemical engineers, etc. Henry C. Redman, Florence E. Redman and John C. Redman, directors. R.O.: 53 Canning Road, Wealdstone, Middlesex.

Walter Crowe, Ltd. (P.C.).—Capital £200. To carry on the business of manufacturers of, and dealers in, surgical goods, medicinal and veterinary preparations, pharmaceutical and toilet goods, etc. Walter R. Williams-Crowe and Hubert Etherington, 15 Eliot Park, London, S.E.13, directors.

Monsanto Chemicals, Ltd.—The interim dividend has been maintained at 15 per cent.

Kork-N-Seal, Ltd.—Mr. J. N. Steuart has retired from the board as managing director and Mr. E. A. Blanch has been appointed in his place.

Petrochemicals, Ltd.—Lieutenant-General Sir W. G. Lindsell, G.B.E., K.C.B., D.S.O., M.C., who has been a director of the company for the past two years, has been elected chairman of the board in place of Mr. H. Stuart Ebben. Mr. Ebben has been chairman of Manchester Oil Refinery, Ltd., since its inception in 1938 and retains his seat on the board of Petrochemicals, Ltd.

Spa Brushes, Ltd. — Underwriting has been completed of an offer for sale of 100,000 5½ per cent. cumulative preference shares of £1 each, at 22s. per share, and 625,000 ordinary shares of 2s. each at 4s. 9d. per share in this company. The capital of Spa Brushes, Ltd., is £225,000, consisting of £100,000 in 5½ per cent. cumulative preference shares of £1 each and 1,250,000 ordinary shares of 2s. each.

Imperial Chemical Industries, Ltd.—Ordinary stockholders in the exercise of their rights applied for more than 9,000,000 shares—over 90 per cent. of the recent issue (see *C. & D.*, July 24, p. 106). Over 50,000 further applications, for a total of 11,000,000 shares, were received from preference and ordinary stockholders for excess shares. Allotments have had to be drastically cut down but all applicants will receive an allotment.

Voluntary Liquidation. — British Surgical & Drug Co., Ltd., 42 Sackville Street, London, W.1. A meeting of the creditors of this company was held on September 14 when a statement of affairs was submitted which disclosed liabilities amounting to £7,994. In addition, there were contingent claims amounting to £9,901, but the claims were disputed and were left to be dealt with by the liquidator. After allowing £753 for preferential claims, the net assets totalled £92, or a deficiency with regard to the creditors of £7,902. A resolution was passed confirming the voluntary liquidation of the company with Mr. Kenneth R. Cork (W. H. Cork, Gully & Co., accountants, 19 Eastcheap, London, E.C.3) as liquidator, together with a committee of inspection.

BUSINESS CHANGES

Monsanto Chemicals, Ltd., have appointed Mr. A. R. Crew publicity manager of the company.

Alite Patent Machine Co., Ltd., have transferred their sales office to 20 Essex Street, W.C.2.

Maldon Co-operative Society, Ltd., are shortly to open a pharmacy department at 100 High Street, Maldon, Essex.

Evans Medical Supplies, Ltd., have appointed Mr. C. E. Beyte, M.A., A.R.I.C., to the technical staff of their organic compounds unit, Speke, Liverpool.

Mr. H. Holmes, M.P.S., 1 Victoria Parade, Torquay, has acquired the pharmacy at Pennycomequick, Plymouth, formerly carried on by Mr. N. B. Barber, M.P.S.

Renipas Chemical Co., Ltd., is the new title adopted by the company formerly known as International Chemical Research Association, Ltd., 69 Fleet Street, London, E.C.4.

Gillespie Bros. & Co., Ltd., have transferred their main offices to Ling House, Dominion Street, London, E.C.2, where all correspondence should be addressed. A small office is being retained at 82 Fenchurch Street, London, E.C.3.

W. M. Jewitt & Son have acquired and are continuing under its original title the Darlington wholesale chemists' business formerly carried on by Mr. J. Waters. Mr. W. M. Jewitt, M.P.S., has been manager of the business for many years, and his son, Mr. W. K. Jewitt, Ph.C., has been with the firm for six years.

TRADE NOTES

Lunch-hour Classes. — Lunch-hour language classes, specially intended for business people, are among courses available at Princeton Street College of Commerce, Bedford Row, London, W.C.1.

Change of Name.—Parke, Davis & Co., Staines Road, Hounslow, Middlesex, announce that the name Beparon has been adopted in this country for the ganglionic blocking agent formerly known as Etamon.

Christmas Show. — Chemists in Scotland are invited to visit a display of Christmas gift items organised by Callander & Tully, Ltd., 9 Victoria Street, Edinburgh, 1. The show is open from September 27 to October 8.

Domestic Paper Towels. — Kwickdry paper towels in perforated rolls, manufactured by Freeder Brothers Paper Mills, Brimsdown, Enfield, Middlesex, are again in full production. Holders for the towels are also available.

Photographic Christmas Cards. — Northern Centre, Argus Chambers, Bradford, Yorks, give details in this issue of trade terms for Christmas cards illustrated with enlargements from customers' own negatives.

Price Reductions.—Evans Medical Supplies, Ltd., Liverpool and London, announced on September 8 substantial price reductions in the prices of adrenaline solution (1-100), Astevan, Benzevan and Streptocide ointment. Details may be had from the company.

Again Available. — For the first time since before the war, Apollo stick liquorice juice is in sufficient supply to meet all demands. The manufacturers of this branded liquorice, MacAndrew & Forbes, Ltd., 2 Caxton Street, London, S.W.1, welcome inquiries from old and new wholesale customers.

Lipstick in New Shade. — Goya, Ltd., 161 New Bond Street, London, W.1, have added to their Grandee lipstick range Capri, a bright, clear, but comparatively light shade, as desired by many women for autumn and winter use. Capri contains no blue, and has been made for wear primarily with beiges, browns, greens, golds, blue-greens, grey, off-black, and black.

Non-alcoholic "Tonic Wine."—E.N.T. Manufacturing Co., Ltd., 433 Gloucester Road, Bristol, 7, state that E.N.T. tonic wine, non-alcoholic, is again available. Manufactured under Ministry of Food licence, the preparation contains 30 per cent. liquid glucose. Supplies may be obtained from the usual wholesalers, or direct from the manufacturers. Details of trade terms will be supplied on request.

Hot-water Bottle Price Reduced.—Hirst, Brooke & Hirst, Ltd., manufacturing and export chemists, Sheepscar Works, Leeds, 7, announce that their Solace hot-

water bottle (illustrated) is now reduced in price. Attractively designed and strongly built, the bottle is available in red, blue and green shades in transparent envelope.

Distribution Change. — Herts Pharmaceuticals, Ltd., Welwyn Garden City, Herts, announce that they have appointed Stower & Oakley, Ltd., 8 Park Road, Regents Park, London, N.W.1, to be sole distributors of their products to departmental stores in the United Kingdom. Distribution to chemists remains in the hands of Thomas Christy & Co., Ltd., Farnham, Surrey.

Agents Wanted.—Supplies of the Jean Patou perfumes (Amour-Amour, Moment Suprême, Colony and Joy) and cosmetics (face-powder, powder-rouge, lipstick, nail-varnish) are now arriving from Paris in slightly larger quantities than formerly. The sole distribution in this country is carried out by Warner Harvey & Co., Ltd., 28B Albemarle Street, London, W.1, who invite applications from chemists wishing to become appointed stockists.

Photographic Museum Catalogue.—Kodak, Ltd., Kingsway, London, W.C.2, have issued a catalogue of the collection of historically interesting apparatus and specimens housed in their museum of

photography at Harrow. The catalogue was not produced primarily for sale, but a limited number of copies is available at 10s. each. Requisitions should be addressed to the company's sales-service library at Kingsway.

Advanced Technical Studies. — The 1948-49 prospectus of the Sir John Cass technical institute, Jewry Street, London, E.C.3, now available, gives details of technical instruction available at the institute. Courses provided in the department of chemistry include "Advanced Organic Chemistry" (Wednesday evenings, from October 6); "Microchemical Analysis" (Thursday evenings from January 20) and "Spectroscopic Analysis" (Friday evenings from October 1).

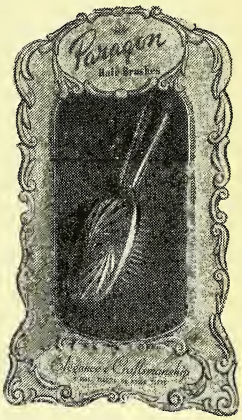
Advertisement Plans.—Under a policy of extended advertising of their vitamin specialities, the Crookes Laboratories, Ltd., Park Royal, London, N.W.10, are directing advertisements for Crookes' "vitamin quota" as a dietary supplement principally to sportsmen and to expectant mothers; advertisements for Crookes' halibut oil will stress its value as a protection against infection; in selected women's journals there will also be advertisements of Crookes' halibut oil emulsion for administration to infants.

Directory of Manufacturers. — Kelly's Directories, Ltd., 186 Strand, London, W.C.2, have published the 62nd edition of Kelly's Directory of Merchants, Manufacturers and Shippers. The edition contains 300 pages more than the previous one. The British sections, in four main parts, include references to the British Commonwealth and Empire Overseas, in addition to a comprehensive guide to the British Isles. The Special Supplement now has sections for almost every country in the world, new additions including the Western Zones of Germany, Austria and Paraguay.

Information for Exhibitors.—Visitors to the British Exhibition, Copenhagen (September 18 to October 3) are informed that a Trade Information Centre is located on the first floor of Nimb Restaurant in the Tivoli Gardens. Operating under the joint auspices of the British Import Union, the British Export Trade Research Organisation, the Federation of British Industries and the Danish Merchant Guilds Association, the Centre will answer inquiries from exhibitors and visiting British exporters and manufacturers on Scandinavian markets.

Joint Sales Facilities. — Following the recent merger of Bengers, Ltd., Genatosan, Ltd., and Whiffen & Sons, Ltd., into one organisation under the title British Chemicals and Biologicals, Ltd., Loughborough, the distribution of Cardophylin is being transferred on October 1 to the Bengers-Genatosan division, Loughborough. From that date also retailers will be able to order all Genatosan products, all Benger products, and Cardophylin in one parcel on new and favourable terms. It is also announced that the family (2-lb.) pack of Sanatogen has been reintroduced.

Display Offer.—F. Greif & Co., Ltd., manufacturers and distributors of Paragon rubber - cushion brushes, offer to co-operate with stockists in arranging for window displays of their products backed by local advertising at the company's expense, and with stock on a sale or return basis. Illustrated alongside is an example of the show matter available.



Bonus Offers.—C. J. Hewlett & Son, Ltd., 35 Charlotte Road, London, E.C.2, announce a bonus parcel No. 1, comprising three dozen tubes of Hewlett's cream and one dozen tins of Hewlett's antiseptic dusting powder. Each carries a bonus of three tubes of cream and one tin of powder—H. R. Napp, Ltd., 3 Clements Inn, London, W.C.2, offer a bonus of ¼ doz. packs free on direct orders for two dozen x 21 Abecedin tablets. With the parcel is supplied an attractive outer for counter or window display. Details of the offer are given on another page.—Rona Laboratories, Ltd., 159 Finchley Road, London, N.W.3, announce a bonus scheme for Argotone under which retailers can obtain from wholesalers, until October 15, thirteen bottles to the dozen, and wholesalers can, in turn, obtain thirteen to the dozen from the manufacturers.—An 8½ per cent. bonus during September is being given by Simmonds Products, Ltd., Byron House, 7 St. James's Street, London, S.W.1, on all orders for Octim and Sposs products.

POISONS LABELLING CHANGES UNDER THE B.P., 1948

By its additions to and deletions from the monographs included in the 1932 B.P., the British Pharmacopœia, 1948, now official, changes the status of many poisonous substances and preparations. The alterations are of prime importance because they affect the statutory or proper names of the poisonous substances in question, and also by reason of the requirements to add to the label of the product when sold the name and proportion of the poison, if the substance is not in the Pharmacopœia, unless and until it is "adopted" by the British Pharmaceutical Codex. The modifications are of several kinds as exemplified below.

(1) *Poisonous substances raised to B.P. status—designated by a star (*)—may be referred to on the label by any of the names, synonyms, or abbreviations at the head of the monograph as the name of the poison:—*

Former Requirements	New Requirements
"Butyn." (S.1) (4) (*p* - Amino - Benzoyl - γ - Di - Butyl-Amino-Propanol Sulphate.)	**"Butyn." (S.1) (4) (*Butacaine Sulphate.)**

(2) *Poisonous substances—designated by a dagger (†)—omitted from the 1948 B.P. and which are the subject of a B.P.C. monograph. In general, these require no alteration in "proper" name:—*

***Cantharidin. (S.1.) (4)**	**†Cantharidin. (S.1.) (4)**

(3) *Poisonous substances losing B.P. status and without B.P.C. counterpart. For these the name of the poison must be that of the Poisons List or otherwise the proper name (given in CAPITALS) being the accepted scientific name or the name descriptive of the true nature and origin of the poison:—*

***Diachylon. (S.1.) (5)** (*v.* ***Emp. Plumbi.**) (Ex. A. in machine-epread plasters.)	**Diachylon. (S.1.) (4)** (Crude Lead Oleate.) (Ex. A. in machine-spread plasters.)

(4) *Poisonous preparations changing official status and requiring alteration in the letters to be appended (from B.P.C. to B.P. or* vice versa) *without any change in classification:—*

†Tab. codein. co. (P.I.) (9) (Ex. S.1.) (Codeine Phosphate, gr. ⅛ in each.)	*Tab. codein. co. (P.I.) (9) (Ex. S.1.) (Codeine Phosphate, gr. ⅛ in each).

(5) *Poisonous preparations with change in classification by gain of B.P. status, with letters "B.P." appended in lieu of name and proportion of poison:—*

Inj. stibophen. (S.1.) (6) (Stibophen, 6.4% w/v.)	***Inj. stibophen. (S.1.) (5)**

(6) *Poisonous preparations with change in status and subject to additional B.P. requirements:—*

†Inj. strych. (S.1.) (5)	***Inj. strych. hydrochlor. (S.1.) (5)** (State amount of Strychnine Hydrochloride in 1 mil or in 15 min.) (Dispense: 4 mgm. in 1 mil; or gr. 1/16 in 15 min.)

(7) *Poisonous preparations with loss of B.P. status requiring addition of name and proportion of poison:—*

*Syr. Eastoni (P.I.) (Ex. S.1.) (9) and (13). (Easton's Syrup, B.P.)	Syr. Eastoni (P.I.) (Ex. S.1.) (10) and (13) (Strychnine Hydrochloride, gr. 1/60 in 1 fl. dr.)

The following additions or amendments should be made to the entries in the Extended List of Poisons in the *C. & D.* Poisons Guide, 1944. to ensure conformity between poison law and B.P. 1948 requirements. The list comprises B.P. or ex-B.P. poisons affected by the statutory requirements in relation to supply or labelling.

†Acid. hydrocyan. dil. (S.1.) (5)
(†Dilute hydrocyanic acid; †Dilute prussic acid).
(Ex. S.1 below 1 in 13.4)

†Acid. sulphuricum. (P.II.) (8)
(Sulphuric Acid, B.P.C.; Sulphuric Acid, over 95% w/w.)

Acid sulphuric, dilute. (P.II.) (10)
(Sulphuric Acid, 10% w/w.)

***Aconit. pulv. (S.1.) (4)**
(*Aconitum Pulver. *Powdered aconite.)

Adhesive plaster. (S.1.) (6)
(Crude Lead Oleate, 85%)
(Ex. A. in machine-spread plasters)
(*v.* **Emp. coloph.**)

"Amabevan." (S.1.) (4)
(*Carbarsone.)

***Amethocaine hydrochloride. (S.1) (4)**

***Amethocain. hydrochlor.,**
***Amethocainæ hydrochloridum,**
***Tetracaine hydrochloride.**
(*v.* **"Decicain."**)

***Aminopyrine. (S.1.) (4)**
(*v.* ***Amidopyrine.**)

***Amphetamine. (S.1.) (4)** (Sch. 7 (1))
(*Amphetamin., *Amphetamina.)

***Amphetamine sulphate. (S.1.) (4)** (Sch. 7 (1))

†Amylocaine hydrochloride. (S.1.) (4)
(†Amylocain. hydrochlor., †Amylocainæ hydrochloridum.)
(*v.* **"Stovaine."**) (Ex. S.1 below 10% amylocaine.)

***Antim. et pot. tart. (S.1.) (4)**
(*Antimonii et potassii tartras, *Antimony potassium tartrate, *Potassium antimonyl tartrate, *Tartar Emetic, †Antimonium tartaratum, †Tartarated antimony.)
***Antim. et sod. tart. (S.1.) (4)**
(*Antimonii et sodii tartras, *Antimony sodium tartrate, *Sodium antimonyl tartrate.)
†Arsen. triiod. (S.1.) (P.I.) (4)
(†Arseni triiodidum, †Arsenii iodidum, †Arsenic triiodide, †Arsenious iodide.)
†Arsenii iodidum. (S.1.) (P.I.) (4)
(*v.* †Arsen. triiod.)
†Arsenious iodide. (S.1.) (P.I.) (4)
(*v.* †Arsen. triiod.)
***Barbitone sodium. (S.1) (Rx only) (2)**
(*Barbitonum sodium, *Barbitonum solubile, *Barbiton. sod., *Soluble barbitone, *Barbital sodium.)
***Belladonna leaf. (S.1.) (4)**
(*v.* *Belladonnæ herba.)
***Belladonna præparata. (S.1.) (5)**
(*Bellad. præp., *Belladonna pulverata, *Pulvis belladonnæ, *Prepared belladonna herb, *Powdered belladonna leaf.)
***Belladonna pulverata. (S.1) (5)**
(*v.* *Belladonna præparata.)
***Belladonnæ folium. (S.1.) (4)**
(*v.* *Belladonnæ herba.)
***Belladonnæ herba. (S.1.) (4)**
(*Belladonna herb, *Belladonna leaf, *Bellad. herb, *Belladonnæ folium.)
***Belladonnæ herbæ pulvis. (S.1.) (4)**
(*Bellad. herb. pulv., *Powdered belladonna herb.)
Belladonna plaster. (S.1.) (6)
(Belladonna Alkaloids, 0.25% w/w.)
(Ex. S.1. in machine-spread plasters.)
Black mercurial lotion. (P.I.) (10)
(Mercurous Oxide, 0.62% w/v.)
(*v.* Lotio hydrarg. nig.)
Black wash. (P.I.) (10)
(Mercurous Oxide, 0.62% w/v.)
(*v.* Lotio hydrarg. nig.)
Blistering liquid. (S.1.) (6)
(Cantharidin, 0.4% w/v.)
(*v.* Liq. epispasticus.)
Blistering plaster. (S.1) (6)
(Cantharidin, 0.2% w/w.)
(*v.* Emp. cantharidini.)
***Bromethol. (S.1.) (5)**
(*Solution of tribromoethyl alcohol, *Tribromoethanol solution.)
(*v.* " Avertin.")
***Butacaine sulphate. (S.1.) (4)**
(*Butacainæ sulphas, *Butacain. sulph.)
(*v.* " Butyn.")
" Butesin." (P.I.) (8)
(*Butyl Aminobenzoate.)
*Butyl aminobenzoate. (P.I.) (8)
(*Butylis aminobenzoas, *Butyl. aminobenz.)
(*v.* " Butesin.")
" Butyn." (S.1.) (4)
(*Butacaine Sulphate.)
†Cantharidin. (S.1) (4)
(Substances below 0.01%, Ex. S.1.)
***Carbachol. (S.1.) (4)**
(*Carbacholum.)
***Carbarsone. (S.1.) (4)**
(*Carbarsonum, *Carbarson.)
(*v.* " Amabevan," " Leucarsone.")
Carbolic acid lozenge. (P.II.) (13)
(Phenol, gr. ½ in each.)
(*v.* *Troch. phenol.)
*Caustic potash. (P.II.) (15)
(*Potassium hydroxide, †Potassa caustica.)
(Labelling, see ' Caustic articles.')
(Ex. A. in accumulators; batteries and under 12%.)
***Cinchocaine hydrochloride. (S.1) (4)**
(*Cinchocainæ hydrochloridum, *Cinchocain. hydrochlor.)
*Colch. corm. pulv. (P.I.) (8)
(*Colchici cormi pulvis, *Powdered colchicum corm.)
*Colch. sem. pulv. (P.I.) (8)
(*Colchici seminis pulvis, *Powdered colchicum seed.)
***Colchicine. (S.1) (4)**
(*Colchicina, *Colchicin.)
(Substances and preparations Ex. S.1. if Colchicine below 0.5%.)
" Demerol." (S.1.) (D.D.) (1)
(*Pethidine.)
Diachylon. (S.1.) (4)
(Crude Lead Oleate.)
(*v.* Emp. plumbi.)
(Ex. A. in machine-spread plasters.)
***Digitalis folii pulvis. (S.1.) (4)**
(*Digit. fol. pulv., *Powdered digitalis leaf.)
***Digitalis præparata. (S.1.) (5)**
(*Digit. præp., *Prepared digitalis, *Digitalis pulverata, *Powdered digitalis.)
(Ex. S.1. below 1 in 20.)
***Digoxin, Sterile alcoholic solution of. (S.1.) (5)**
(For preparing ***Injection of digoxin** immediately before use.)
(Contains Digoxin, 0.5 mgm. in 1 ml.)
(Label as specified under **' Injectio Digoxini,'** B.P. 1948, p. 253, adding " B.P." to title.)
" Dolantin." (S.1.) (D.D.) (1)
(*Pethidine.)
" Dolantal." (S.11.) (D.D.) (1)
(*Pethidine.)
Donovan's solution. (S.1.) (6)
(Arsenic Triiodide, 1% w/v and Red Mercuric Iodine, 1% w/v.)
(*v.* Liq. arsen. et hydrarg. iod.)
Easton's syrup. (P.I.) (Ex. S.1.) (10) and (13)
(Strychnine Hydrochloride, gr. 1/60 in 1 fl. dr.)
Emp. belladonnæ (S.1.) (6)
(Belladonna Alkaloids, 0.25% w/w.)
(Ex. S.1 in machine-spread plasters.)
Emp. cantharidini. (S.1.) (6)
(Cantharidin, 0.2% w/w.)
(Ex S.1 in machine-spread plasters.)
Emp. Colophoni. (S.1.) (6)
(Crude Lead Oleate, 85% w/w.)
(*v.* Adhesive plaster, Resin plaster.)
(Ex. A. in machine-spread plasters.)
Emp. Plumbi. (S.1.) (6)
(Crude Lead Oleate.)
(*v.* Lead plaster, Diachylon, Diachylon plaster.)
(Ex. A. in machine-spread plasters.)
Emp. resinæ. (S.1.) (6)
(Crude Lead Oleate, 85% w/w.)
(*v.* Emp. colophoni, Resin plaster, Adhesive plaster.)
(Ex. A. in machine-spread plasters.)
*Ephedrine. (P.I.) (8)
(*Ephedrina, *Ephed.)

†Ergometrine (S.1.) (4)
(†Ergometrina, †Ergomet.)
(*v.* Ergobasine, Ergonovine, Ergostetrine, Ergotocin.)
***Ergometrine maleate. (S.1.) (4)**
(*Ergometrinæ maleas, *Ergometrin. maleas, *Ergonovine maleate.)
***Ergotamine tartrate. (S.1.) (4)**
(*Ergotaminæ tartras, *Ergotam. tart.)
†Ergotoxine ethanesulphonate. (S.1.) (4)
(†Ergotoxinæ æthanosulphonas, †Ergotox. aethanosulph.)
†Erythrityl tetranit. dil. (P.I.) (9)
(†Erythritylis tetranitras dilutus, †Diluted erythrityl tetranitrate, †Erythrityl tetranitrate (50%), †Erythol tetranitrate (50%).)
Ext. Belladonnæ folii liq. (S.1.) (6)
(Belladonna Alkaloids, 0.75% w/v.)
(Ex. S.1. below 1 in 5.)
(Ext. bellad. fol. liq., Addendum VII to 1932 B.P., no longer an official prep.)
*Ext. colch. liq. (P.I.) (Ex. S.1.) (9)
(*Extractum Colchici Liquidum, *Liquid Extract of Colchicum.)
(Fluidextractum colchici no longer an official synonym.)
***Ext. colch. sicc. (S.1.) (5)**
(*Extractum colchici siccum, *Dry extract of colchicum.)
(Extractum colchici and Extract of colchicum are no longer official synonyms.)
Extractum opii aquosum, I.A. (S.1.) (D.D.) (1)
(Morphine, 20% w/w.)
(Ex. D.D. and Ex. S.1 below 1 in 100.)
Extractum opii siccum. (S.1.) (D.D.) (1)
(Morphine, 20% w/w.)
(Ex. D.D. and Ex. S.1 below 1 in 100.)
*Extractum pituitarii liquidum. (P.I.) (13) (Sch. 7 (1).)
(*Injectio pituitarii posteriosis.)
(See *Pituitary extract for labelling provisions.)
***Ext. stramon. sicc. (S.1.) (5)**
(*Extractum stramonii siccum, *Dry extract of stramonium, *Powdered extract of stramonium.)
(Ex. S.1 below 1 in 6.7.)
G-strophanthin.
(*See* ***Ouabain.**)
Glycerinum acidi carbolici. (P.II.) (10)
(Phenol, 16% w/w.)
(No longer official synonym for *Glycerinum phenolis.)
Hexobarbital. (S.1.) (Rx only) (2)
(Hexobarbitone.)
(*v.* ***Hexobarbitone.**)
***Hexobarbitone sodium. (S.1.) (Rx only) (2)**
(*Hexobarbitonum sodium, *Hexobarbiton. sod., *Hexobarbitonum solubile, *Soluble hexobarbitone.)
(Soluble hexobarbital no longer an official synonym.)
†Hydrarg. iodid. rub. (P.II.) (S.1.) (4)
(†Red mercuric iodide, †Mercuric iodide).
(Ex S.1 under 0.2%.)
(Ex. A. as dressings on seeds and bulbs.)
***Hydrarg. oleat. (P.II.) (S.1.) (5)**
(*Hydrargyrum oleatum, *Oleated mercury.)
(Ex. S.1 under 0.2% Hg.)
*Hyoscyami pulvis. (P.I.) (8)
(*Hyoscy. pulv., *Powdered hyoscyamus.)
Infusum digitalis recens. (P.I.) (13) (Ex. S.1.) (0.5 B.P. unit of activity in 1 mil.)

Injections.—B.P. 1948 monographs provide standards for injections of any strength within the range of dosage of the drug and requires the amount in a suitable dose-volume to be specified on the label. The dose (denoted below by "Dispense") to be dispensed or supplied, when no strength is stated on the prescription order, is specified after the dose. The B.P. method of indicating such strength conforms with provisions in poison law for proportion of poison. Adoption thereof for other strengths is advisable. **Obviously the prescribed proportion of poison must be specified except in the case of "Fixed Formula" B.P. injections, for which appending the letters "B.P." after the name of the injection will suffice.**

*Inj. adrenal. (P.I.) (13)
(*Injectio adrenalinæ, *Injection of adrenaline, *Injection of adrenaline tartrate.)
***Inj. amethocainæ hydrochloridi. (S.1.) (4)**
(Label sealed container with amount of Amethocaine Hydrochloride therein.)
***Inj. antim. et pot. tart. (S.1.) (5)**
(*Injectio antimonii et potassii tartratis, *Injection of potassium antimonyltartrate.)
(State amount of Potassium Antimonyltartrate in 1 mil or in 15 min.)
(B.P. doses, 30 to 120 mgm., ½ to 2 gr.)
(Dispense: 20 mgm. in 1 mil or ⅓ gr. in 15 min.)
***Inj. antim. et sod. tart. (S.1.) (5)**
(*Injectio antimonii et sodii tartratis, *Injection of sodium antimonyltartrate.)
(State amount of Sodium Antimonyltartrate in 1 mil or in 15 min.)
(B.P. doses, 30 to 120 mgm., ½ to 2 gr.)
(Dispense: 60 mgm. in 1 mil or 1 gr. in 15 min.)
***Inj. apomorph. hydrochlor. (S.1.) (5)**
(*Injectio apomorphinæ hydrochloridi, *Injection of apomorphine hydrochloride.)
(State amount of Apomorphine Hydrochloride in 1 mil or in 15 min.)
(B.P. doses, as emetic, 2 to 8 mgm., 1/32 to ⅛ gr.)
(Dispense: 3 mgm. in 1 mil or 1/20 gr. in 15 min.)
***Inj. atrop. sulph. (S.1.) (5)**
(*Injectio atropinæ sulphatis, *Injection of atropine sulphate.)
(State amount of Atropine Sulphate in 1 mil or in 15 min.)
(B.P. doses, 0.25 to 1 mgm., 1/240 to 1/60 gr.)
(Dispense: 0.6 mgm. in 1 mil, or 1/100 gr. in 15 min.)
***Inj. carbachol. (S.1.) (5)**
(*Injectio carbacholi, *Injection of carbachol.)
State amount of Carbachol in 1 mil or in 15 min.)
(B.P. doses, 0.25 to 0.5 mgm., or 1/240 to 1/120 gr.)
(Dispense: 0.25 mgm. in 1 mil or 1/240 gr. in 15 min.)
***Inj. digoxin.**
(Made immediately before use by diluting ***Sterile Alcoholic Solution of Digoxin,** 1 mil, with Injection of Sodium Chloride, B.P., 9 mils.)
(*See* ***Digoxin, Sterile alcoholic solution of,** for classification and labelling details.)

***Inj. emet. hydrochlor. (S.1.) (5)**
(*Injectio emetinæ hydrochloridi, *Injection of emetine hydrochloride.)
State amount of EMETINE HYDROCHLORIDE in 1 mil or in 15 min.)
(B.P. doses, 30 to 60 mgm., ½ to 1 gr.)
(DISPENSE: 60 mgm. in 1 mil or 1 gr. in 15 min.)

***Inj. ergomet. maleat. (S.1.) (5)**
(*Injectio ergometrinæ maleatis, *Injection of ergometrine maleate, *Ergonovine maleate injection.)
(State amount of ERGOMETRINE MALEATE in 1 mil or in 15 min.)
(B.P. doses, by intramuscular injection, 0.25 to 0.5 mgm., 1/240 to 1/120 gr.; by intravenous injection, 0.125 to 0.25 mgm., 1/480 to 1/240 gr.)
(DISPENSE: 0.5 mgm. in 1 mil or 1/120 gr. in 15 min.)

***Inj. hexobarbiton. sod. (S.1.) (Rx only) (2)**
(Label sealed container with amount of HEXOBARBITONE SODIUM therein.)

***Inj. histam. phosph. acid. (S.1.) (5)**
(*Injectio histaminæ phosphatis acidi, *Injection of histamine acid phosphate.)
(State amount of HISTAMINE ACID PHOSPHATE in 1 mil or in 15 min.)
(B.P. doses, 0.5 to 1 mgm., 1/120 to 1/60 gr.)
(DISPENSE: 1 mgm. in 1 mil or 1/60 gr. in 15 min.)

***Inj. hyoscyin. hydrobrom. (S.1.) (5)**
(*Injectio hyoscinæ hydrobromidi, *Injection of hyoscine hydrobromide.)
(State amount of HYOSCINE HYDROBROMIDE in 1 mil or in 15 min.)
(B.P. doses, 0.3 to 0.6 mgm., 1/200 to 1/100 gr.)
(DISPENSE: 0.4 mgm. in 1 mil or 1/160 gr. in 15 min.)

*Inj. insulin. (P.I.) (13) (Sch. 7 (1).)
(*Injectio insulini, *Injection of insulin, *Insulinum, *Insulin.)
(Labelling controlled by Therap. Substs. Act, but Sch. 7 (1) notice is additional. Strengths: Buff label, 20 units per mil; Blue label, 40 units per mil; Green label, 80 units per mil).
(DISPENSE: 20 units per mil).

*Inj. insulin. protaminat. c. zinc. (P.I.) (13) (Sch. 7 (1).)
(*Injectio insulini protaminati cum zinco, *Injection of protamine zinc insulin, *Protamine zinc insulin.)
(Labelling conditions controlled by Therapeutic Substances Act, but Sch. 7 (1) notice is additional.)
(DISPENSE: 40 units per mil.)

***Inj. mersalyl. (S.1.) (5)**
(*Injectio mersalyli, *Injection of mersalyl, *Mersalyl and theophylline injection.)

***Inj. morph. et atrop. (S.1.) (D.D.) (1)**
(*Injectio morphinæ et atropinæ, *Injection of morphine and atropine.)

***Inj. morph. sulph. (S.1) (D.D.) (1)**
(*Injectio morphinæ sulphatis, *Injection of morphine sulphate, *Injection of morphine.)
(State amount of MORPHINE SULPHATE in 1 mil or in 15 min.)
(B.P. doses, 8 to 20 mgm., ⅛ to ⅓ gr.)

***Inj. neoarsphenamin. (S.1.) (4)**
(Label sealed container with amount of NEOARSPHENAMINE therein.)

***Inj. ouabain. (S.1.) (5)**
(*Injectio ouabaini, *Injection of ouabain.)
(State amount of OUABAIN in 1 mil or in 15 min.)
(B.P. doses, 0.12 to 0.25 mgm., 1/500 to 1/240 gr.)
(DISPENSE: 0.25 mgm. in 1 mil or 1/240 gr. in 15 min.)

(*To be Continued*)

COMING EVENTS

Secretaries of pharmaceutical organisations are invited to send copies of their programmes to the Editor for publication of items under this heading.

Monday, September 27

SLOUGH BRANCH, PHARMACEUTICAL SOCIETY, Slough Community Centre, at 7.30 p.m. Dr. Maxwell Summers and Mr. T. Heseltine on "The National Health Service."

Tuesday, September 28

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, and WALTHAMSTOW PHARMACEUTICAL ASSOCIATION, Conway Hall (opposite Walthamstow Central Library), High Street, Walthamstow, London, E.17, at 8.15 p.m. Mr. F. Lewis Watson (secretary, Unichem, Ltd.) on "Aspects of the Modern Dispensary and Methods of Rearrangement and Redesign" (illustrated).

SOUTHGATE AND WOOD GREEN DIVISION, NORTH LONDON PHARMACEUTICAL ASSOCIATION, Windsor Café 398 Green Lanes, Palmers Green, London, N.13, at 7.30 p.m. Discussion on "Pharmacy and the National Health Service."

READING AND BERKSHIRE BRANCH, NATIONAL PHARMACEUTICAL UNION, Palmer Hall, Reading, at 7.30 p.m. Annual meeting.

INSTITUTE OF CHEMISTS-OPTICIANS, Lecture Hall, Royal Society of Arts, John Adam Street, Adelphi, London, W.C.2, at 7.30 p.m. Show of medical and scientific films.

SOCIETY OF CHEMICAL INDUSTRY, Leeds University, at 9.30 a.m. Opening session of Conference on "Dust in Industry" (Conference continues until September 30).

Wednesday, September 29

ABERDARE AND MERTHYR BRANCH, PHARMACEUTICAL SOCIETY, Ferrari's Cafe, Aberdare, at 8 p.m. Meeting.

Friday, October 1

BLACKPOOL BRANCH (JUNIOR SECTION), PHARMACEUTICAL SOCIETY, Chamber of Trade Rooms, Queen Street, Blackpool, at 7.30 p.m. Mr. E. Pedley, M.Sc., A.R.I.C., Ph.C., on "The Work of the North-western Science Laboratory (Home Office), Preston."

Saturday, October 2

ROYAL COMMERCIAL TRAVELLERS' SCHOOLS, St. Ermins, Caxton Street, London, S.W.1, at 10.30 a.m. Court of governors.

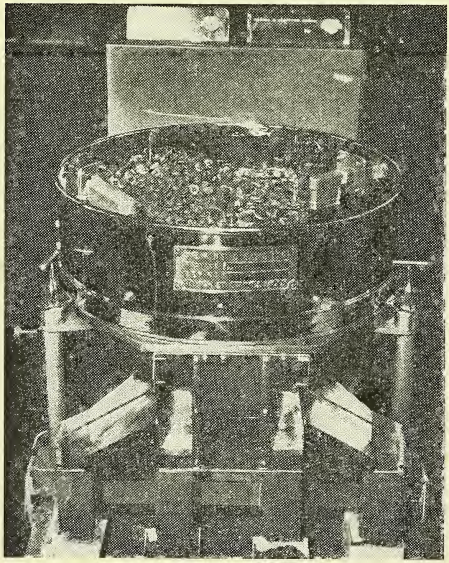
YORKSHIRE BRANCH, GUILD OF PUBLIC PHARMACISTS, County Hospital, York, at 3.15 p.m. Address by Mr. R. Henriksen (a member of the Guild council and of the Central Health Services Council).

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, is holding its annual dinner and dance at the Parkway Hotel, Leeds, on Wednesday, October 20. Applications for tickets (£1 1s. each) should be sent to Mr. J. Schofield, 400 Burley Road, Leeds, 4.

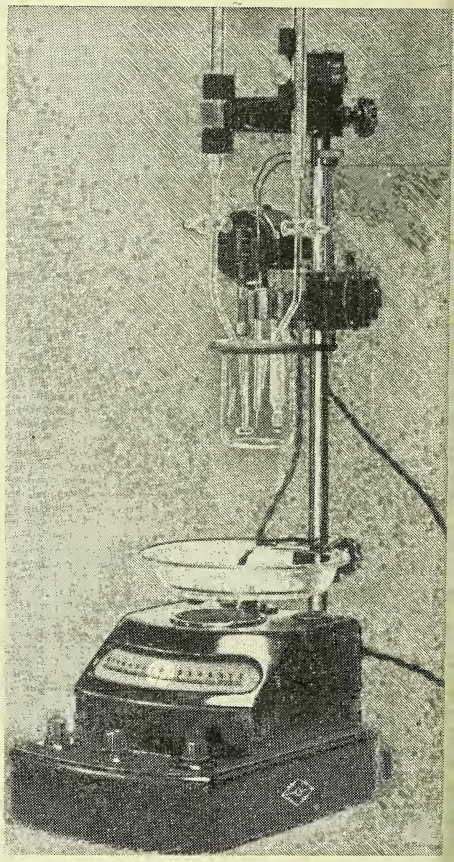
BIRMINGHAM PHARMACEUTICAL ASSOCIATION is holding a dance at the Botanical Gardens, Edgbaston, on Wednesday, October 13. Tickets (price 7s. 6d. each) may be obtained from Mr. D. J. Rushton, 1088 Stratford Road, Birmingham, 28.

INSTRUMENTS AND APPARATUS

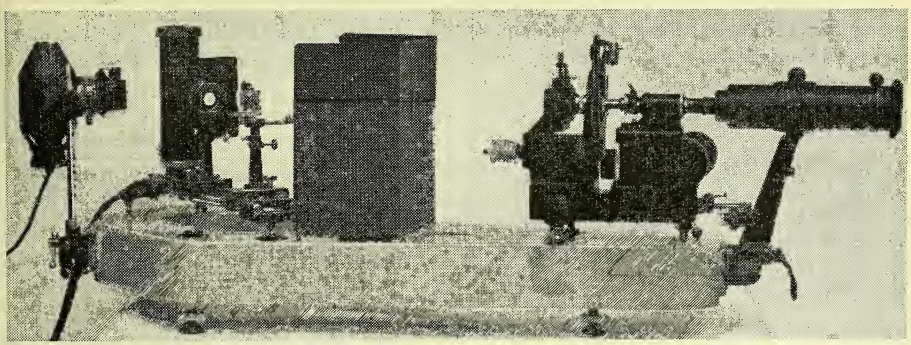
Electronic Counter and Batcher. — A machine for the counting and batching of small objects of similar size, such as tablets and pills, has been designed and manufactured by C. E. King & Sons, Ltd., Staines, Middlesex, with the co-operation of the Mullard technical advisory service. The principle of the machine is the high-speed selection of single items from a homogeneous mass, and their subsequent collection in batches, with the certainty of accurate counting. A metal hopper of diameter about 14 in. and depth 6 in., has a metal disc fitting closely to the inside base, its rim just clearing the side of the hopper. Near the periphery of the disc an inner and an outer row of holes have been drilled, large enough to collect, and pass singly, the objects to be counted. The disc can be rapidly replaced (for objects of a different size) by another carrying the required size of holes. Flat brushes, set at an angle between the centre and the side of the hopper, continuously sweep the objects



into the holes near the edge of the disc. When they reach a point where the holes pass over the mouths of a pair of chutes, they drop, and in doing so pass a photocell. When a predetermined number have interrupted the beam, a flap is automatically moved to divert the stream of objects into another container.

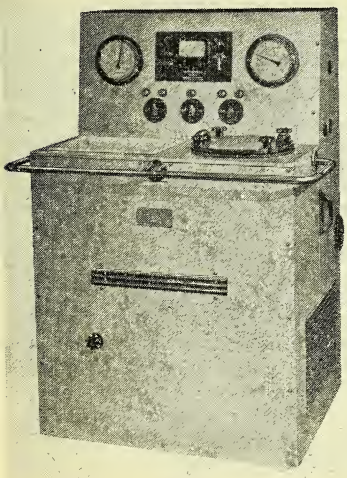


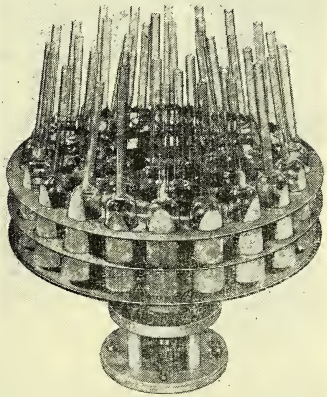
Potentiometric Titration.—Cambridge Instrument Co., Ltd., 13 Grosvenor Place, London, S.W.1, are manufacturers of the potentiometric titration apparatus illustrated. The instrument is suitable for use in all determinations by titration, but is especially valuable in simplifying the determination of end points with coloured solutions. The routine testing requires no previous chemical knowledge. The apparatus consists of an electrode system, a stirrer motor, a potentiometer, and galvanometer. In use the platinum electrode of the system and the reference cell are connected to the galvanometer. The approach of the end point of the titration is shown by temporary but increasing galvanometer deflections, the end point itself by a sudden large permanent deflection.



Ultra-violet Microscope. — Increasing use is being made in the chemical industry of ultra-violet microscopy. A typical instrument manufactured by Cooke, Troughton & Simms, Ltd., York, is illustrated. Components to note include mercury resonance lamp for 2536 Å in position with one quartz prism; vapour lamp for visual use (extreme left); and (extreme right) the camera in position. In the centre of the apparatus is the screen to give protection to workers from scattered ultra-violet rays.

Centrifugal Freeze-Drying. — Freeze-drying, the only reliable method of drying labile materials for concentration and/or preservation, consists of drying the frozen material under high vacuum, the frozen state being maintained by abstracting the heat for evaporation. As developed by Dr. R. I. N. Greaves, Cambridge University, the perfected technique employs low-speed centrifuging for the complete suppression of foaming and gives a porous dried product that can be readily reconstituted. A range of apparatus is offered by W. Edwards & Co. (London), Ltd., Kangley Bridge Road, Lower Sydenham, London, S.E.26, embodying these principles. Two stages of drying are usually involved: Primary drying, which is completed in the centrifuge chamber; and secondary drying and vacuum-sealing on a manifold system. Centrifugation is stopped when freezing is complete and drying is continued to a moisture content of less than 3 per cent. The containers are transferred to the manifold secondary drying system for extended drying and vacuum sealing after suitably reducing stems of ampoules to facilitate subsequent closure. Alternative forms of centrifuge head have (a) bonded rubber connections to fit 6-m.m. bore stems (standardised) for 0.5 to 10-c.c. ampoules, or (b) wax-jointed connections to accommodate containers of larger or smaller stem bore. Four basic units are available, according to the scale of work. The illustrations show the model 3 freeze dryer and centrifuge head. Details of other models may be had from the makers.





RANKIN BROTHERS & SONS
(RANKINS PARTNERS, LTD.)
139 BERMONDSEY STREET, LONDON, S.E.1
for DISPENSING
CORKS
OWNERS OF THE FINEST
CORK FORESTS IN PORTUGAL

There's a *Growing* Demand for . .
'NERVONE'
Are YOU Supplying It?
Display one of the attractive Showcards—sent free on request—and cash in on this profitable new line. Supplies are obtainable from your wholesaler.
RETAIL WHOLESALE
3/3, 5/6, 22/- inc Tax. 28/5, 48/-, 192/- per doz.
'NERVONE', Cecil House, Holborn Viaduct, LONDON

D.C.L. VITAMIN B1 YEAST TABLETS
Each ounce contains a natural Vitamin B potency equivalent to that of 25 mgm. Aneurin Hydrochloride, 1·4 mgm. of Riboflavin, and 8·0 mgm. Nicotinic Acid.
Each Tablet contains 100 I.U. (approx.) Vitamin B_1.
100 TABLETS 3s. 9d.
50 TABLETS 2s. 3d.
THE DISTILLERS CO., LTD. EDINBURGH.

SOFT & LIQUID SOAPS
For Manufacturing and other technical and general uses.
W. M. DELF (L'POOL) LTD
SOAP AND DISINFECTANT MANUFACTURERS
DELCO WORKS, LIVERPOOL, 9
Telegrams: Glycerine, Liverpool
Telephone: Aintree 1752 (2 lines)

BURROUGH'S ABSOLUTE ALCOHOL
Cale Distillery London, S.E.11

TRAGACANTH
SPECIALISTS IN B.P. POWDER
SAMPLES AND PRICES ON REQUEST
FREUDENTHEIL, SMITH & CO., 16 Philpot Lane, London, E.C.3
MANsion House 1924 & 6600. Estd. 1826

W. H. JONES & CO. (London) Ltd.
BUYERS, CONFIRMERS & SHIPPERS
BARNET, HERTS, ENG.
OFFERS INVITED ORDERS INVITED FROM MANUFACTURERS OVERSEA IMPORTERS

GUM TRAGACANTH
GUM KARAYA
WHOLE AND POWDERED
M. HAMBURGER & SONS
DIRECT IMPORTERS
Ceylon House
EASTCHEAP, LONDON, E.C.3
Telephone: Mansion House 4405 (3 lines)

Preparation for the Intermediate and Qualifying C. & D. Exams.
Next Session starts on or about October 1
Liverpool School of Pharmacy, Blackburne Place, 8

INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

Darol tablets
Becothimin
Sirolene
Conchlor, a preparation containing chlorine
Bela combs
Thioethamyl

The CHEMIST AND DRUGGIST
for RETAILER—WHOLESALER—MANUFACTURER
ESTABLISHED 1859
Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, British Empire, and foreign countries
Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.
VOL. CL SEPTEMBER 25, 1948 No. 3579

Averaging OUT

So far as chemist contractors are concerned, any system of National Health Service payments based on averaging of prescription values is now decisively out—rejected without a voice raised in its favour at the first Conference of Pharmaceutical Committee Representatives (see p. 396).

From the start, circumstances were unpropitious to the success of any such method, and in practice it has resulted in many and patent unfairnesses. Averaging was first introduced, it will be recalled, in order to overtake to some degree the arrears of payments owed by many Executive Councils to the chemists with whom they were in contract. Nevertheless, however much chemists might have welcomed an immediate substantial payment on account, on all sides they have recognised that nothing is gained if the final adjustment involves a loss, or if chemist A gains at the expense of chemist B. There has been the further feeling that the method adopted was a blind alley, promising no progress to the real goal of prompt payment in full. Perhaps, too, many felt intuitively what Mr. G. A. Mallinson put into words. Averaged amounts applied to mixtures and tablets today might tomorrow be extended to more and more classes of medicines, ultimately reducing the whole scheme of remuneration to a hit-or-miss arrangement under which no contractor could feel secure.

What all chemists want, as has been said, is full pricing of every prescription. Making every allowance for the difficulties encountered by pricing offices in getting staffs to do the work (difficulties that may be greater in some parts of the country than in others), the contractors remain convinced that that aim can be realised. Under any of the plans so far proposed, so large a percentage of the total of prescriptions has to be put into the "special-treatment" bundle that they see little immediate gain, and no ultimate saving, in the clerical work involved, even though chemists themselves are called upon to do some preliminary sorting. There are always before chemists, moreover, the shining examples of Lancashire, Manchester and Salford. If prompt payment in full is payable in those areas, why not elsewhere?

The answer to that question is certainly along the lines on which the Conference has moved. In Lancashire, preliminary sorting by the chemists is understood to enable the pricing clerk to handle twice as many prescriptions in a given time as if they reached him unsorted. Despite the objections of a few contractors (particularly those who employ managers), sorting of some kind is inevitable. It will be accepted if it is felt to be intelligently directed to the aim of accurate pricing with minimum delay. The five-bundle plan put forward by the N.P.U. secretary will be acknowledged as the most realistic scheme so far propounded, and we share his confidence that, if they adopt it, pricing offices will have their work streamlined to such an extent that they will be able, even with their present staffs, to price out all prescriptions in full.

[A statement by the Ministry of Health explaining a further special delay in meeting chemists' accounts in some areas, together with comments upon the statement by the secretary of the National Pharmaceutical Union (see p. 396) were received as we were going to Press.—EDITOR.]

Balance of Payments

THE Chancellor of the Exchequer, in presenting the White Paper on the United Kingdom balance of payments, 1946 to 1948 (Cmd. 7520, H.M. Stationery Office, 3d.), said that the figures for the first six months of 1948 showed "a very great

improvement" on the dismal position of 1947. On the whole, the figures bear out the Chancellor's words. The terms of trade, however, are still deteriorating, although latterly the decline has been retarded. During the year import prices have increased by 10 per cent. while export prices have gone up by only 3 per cent. Referring to this increase in import prices, the Chancellor commented that the prospect was "not perhaps quite as black as it had been." Comparison of the White Paper with the Economic Survey for 1948 (see *C. & D.*, March 20, p. 358) shows that total imports were valued at £887 millions against the survey's estimated figure of £792 millions. The disparity of £95 millions between the actual and estimated cost of imports was due almost entirely to the 10 per cent. advance in import prices since the volume of imports, 78 per cent. of 1938, was only 2 per cent. more than the estimated figure. Turning to the other side, exports totalled £731 millions compared with the survey estimate of £705 millions, and this time the increase was largely because of an increase in the volume of goods shipped. Provisional totals for the first half of 1948 in the current account give payments as £1,118 millions and receipts as £978 millions, a deficit of £140 millions (compared with the survey estimate of £136 millions).

Western Hemisphere Balance

Of greater importance than the overall balance is the question of the balance with the Western Hemisphere and this is, in the Chancellor's words, "even more stubborn." Although a great deal has yet to be done, it has been possible, however, to reduce the total adverse balance with this region to £390 millions, almost, that is, down to the 1946 level. The net drain on U.K. gold and dollar resources has been £254 millions. Large as this figure is, the drain during the second quarter of the year had begun to decline, and soon, with the help of E.R.P., it may be possible to "reach a point where there should be little or no net drawing on our reserves." There are some grounds for satisfaction in the country's achievement but there is still a long uphill climb ahead.

Titles and Claims

A WRITER in the "Journal of the American Pharmaceutical Association, Practical Pharmacy Edition" for August, suggests that pharmacists could improve public and professional relations by careful selection of the terms used to represent their personnel, services and facilities. "No one will long be fooled," he writes, "by fancy names for unprofessional conduct, shoddy service or unsocial activities. But the competent pharmacist, with pride in his profession, offers society high service that we want to express as clearly as possible." He then goes on to examine critically, and to suggest improved versions of, a number of terms currently used in the U.S.A. A qualified employee should be publicly referred to, not as a registered clerk, but as a pharmacist, an associate, or "a member of our staff." The choice of a suitable term to indicate a pharmacist who keeps a shop seems to cause the author some difficulty. "The pharmacist makes a considerable point of setting himself apart from the ordinary merchant of the community . . . does it make sense in public relations to use the undistinguishing title retailer?" In place of retailer it is suggested that "the title of pharmacist seems adequate and preferable for standard use." A suggestion that a retailer might call himself a public pharmacist is frowned upon (a) because it would be difficult to popularise; (b) because to some it implies government service; and (c) because it suggests hospital practice.

There is a need, on both sides of the Atlantic, for tidying up the various titles that have come into use haphazardly over a period of many years. Care should be taken, however, to distinguish between changes necessary in the interests of commonsense and accuracy and those that could be interpreted as attempts "to fool the public by fancy names." The public will judge the chemist not by his self-adopted titles but by the service he gives. Although the majority of chemists in Great Britain may eventually become entitled to call themselves pharmaceutical chemists, the man in the street will not easily give up referring to the place where he takes his prescriptions and buys his family medicines as "the chemist's shop."

CHEMISTS' EXHIBITION

After a lapse of ten years, the Chemists' Exhibition, the forty-eighth in the series, has again been held in London

THE forty-eighth Chemists' Exhibition was held at the Central Hall, Westminster, London, S.W.1, September 20-24. There were about 100 stands, divided between two floors, and the exhibitors represented between them the comprehensive range of products sold by chemists or used by them in the course of their businesses. The exhibition was the first since that held at the Royal Albert Hall, London, in 1938, after which the series was interrupted by wartime and post-war difficulties.

New Products and Packs

A comprehensive display of the specialities of MACLEANS, LTD., included Maclean's shaving cream (now packed in tubes as well as cartoned jars), Maclean's tooth-brushes (in bristle as well as Nylon) and Maclean's throat sweets (now wrapped for the first time). SHARP & DOHME, LTD., were showing Crystoids hexylresorcinol anthelmintic in special hard-coated tablets, newly arrived from the United States. Other important specialities in a wide range shown included Depropanex deproteinated pancreatic extract, and two items that will be available from the company within two or three weeks:—Tyroderm tyrothricin cream, believed the first of its kind commercially available and Cremomerazine, a suspension of sulphamerazine in a palatable medium. An important increase in the demand for Dyspastol was notified by H. R. NAPP, LTD., who were showing this speciality, which is used as an accelerator in the physiological treatment of dysmenorrhœa. Messrs. Napp also pointed out that Caapi anti-coryza tablets are finding new applications in the treatment of bronchial asthmatic conditions, and in hyperemisis and nausea of pregnancy. They drew attention to the warning on the cartons of metaldehyde, issued as solid fuel and slug killer, that this chemical should not be placed within easy access of domestic animals. The medical department of Oxo, LTD., were introducing callers to what is believed to be the first British series of bacteriological laboratory preparations: Oxoid agar-agar, yeast extract, mycological peptone, etc., and were reminding pharmacists that concentrated Oxo is supplied only through chemists.

Examples of special new packages designed by C. E. FULFORD, LTD., for the furtherance of the sales of their proprietary preparations in Far Eastern and other export markets, were a feature that aroused considerable interest. Products displayed included Zam-Buk medicinal cream, and Zamcones, the new and improved suppositories. Results of a series of clinical tests carried out on patients undergoing treatment with Bile Beans were available for inspection at the stand. A redesigned package and outer for Cornol corn remover was given a prominent position on the stand of THOMPSON & CAPPER WHOLESALE, LTD., who were also showing such successful specialities as Mothaks, of which millions are being manufactured every month, and Q.A. brand aspirin tablets, of which the advertising is gradually being increased and extended. The company offers special facilities in tablet making. A central position on the stand of BURROUGHS WELLCOME & CO., (THE WELLCOME FOUNDATION, LTD.) was given to their recently introduced product Neo-Epinine brand isopropyl-*nor*-adrenaline. A reduced facsimile was shown of the new portable dispensing screen available to chemists. An unusual touch was given to the stand by the inclusion of drug jars of historic or artistic distinction.

Invitation to Pharmacists

Chemists who had under consideration the taking out of a Therapeutic Substances Act licence were being invited, at the stand of ALLEN & HANBURYS, LTD., to call and inspect the penicillin dispensing department at the company's pharmacy at Vere Street, London, W.1. Shown in the exhibit was a new penicillin dispensing screen entirely of transparent plastic material. Penicillin chewing gum was being pointed out with some pride, and a new tax-free range of galenicals had considerable claim to typographical distinction. The new formula and pack for Calcydic granules was on show, and specimens of the new 60-mgm. pack of rutin, to be available shortly. At the combined exhibit of the products of B.C.B. (BRITISH CHEMICALS AND BIOLOGICALS) callers were being reminded that there are now available joint buying terms for the various subsidiary companies (GENATOSAN, LTD., BENGER'S, LTD., WHIFFEN & SONS, LTD., and ZENOBIA, LTD.). A family size Genatosan is again available, and a new 4-oz. size of this product was also on display. The Zenobia exhibit included what

is claimed to be the widest range of perfumed coffrets available in this country, and the modern and attractive display stand for Zenobia face powder (complete with sample for testing), and Zenobia true flower perfumes.

The stand of PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., was in two sections. On the first were general medical and veterinary specialities including Avisol neutral soluble sulphathiazole for the treatment of cæcal coccidiosis in chickens; particulars were available also of bonus terms for Zephrol cough syrup. In the other section were photographic and horticultural specialities including Amfix ultra-rapid fixer and hardener and Planofix pre-harvest fruit drop inhibitor for apples and pears.

Specimen Window Displays

A series of window displays available to chemists for various products of CROOKES LABORATORIES, LTD., was shown at the company's stand, including displays for halibut oil and "vitamin quota" which are publicly advertised for the first time this season. A new multivitamin preparation, Abidec drops, was given prominence on the attractive display by PARKE, DAVIS & CO. The display included a number of the company's well-known preparations including Gluco Thricil, a stable combination of ephedrine and tyrothricin which, the makers state, is not yet available. The well-known Wisdom series of tooth-brushes and a new Addis beauty hairbrush with eight rows of widely spaced tufts set spoke-wise were well displayed at the stand of ADDIS, LTD.

A full range of the specialities of GLAXO LABORATORIES, LTD., was on display. At the stand of T. F. BRISTOW & CO., LTD., an attractively packed restyled baby soap and powder were prominently shown together with a soft nylon and moulded coloured transparent plastic baby hairbrush in transparent covered "cradles." Toilet preparations displayed at the stand included a new popular-priced hand lotion. Callers at the stand of BEATSON, CLARK & CO., LTD., were able to handle a recently developed Beatson dispensing flat which eliminates sharp corners, fits the hand, and has other advantages to the dispenser and to the user. The company's numerous enamel-labelled, stoppered, flat and round drug bottles were supplemented by other containers for a variety of special purposes. Medical specialities shown by ABBOTT LABORATORIES (ENGLAND), LTD., included vitamin drugs, Tridione, anti-Pentothal, soluble thiopentone, and Metaphen antiseptic.

SCOTT & BOWNE, LTD., were showing Scott's emulsion and Halivite medicinal specialities, and Kemdex, Silvikrin and J. B. Williams toilet items. A new presentation of Hewlett's cream was on show at the stand of C. J. HEWLETT & SON, LTD. Prominence was given to Hewlett's vitamin tablets, and there were also on show a series of suggestions for "own name" pack items. SPARKLETS, LTD., were showing streamlined syphons and Radon apparatus, resuscitators for respiratory emergencies and other similar items. Many packed preparations at the stand of MCCLURE, YOUNG & CO., LTD., were available under labels for which a local monopoly is given to stockists. The materials shown included popular cough remedies and toilet preparations. HINDERS, LTD., were showing their chiropody accessories. JOHN KNOX (STOKE-ON-TRENT), LTD., were showing their Sleepyland baby products, Jaynox surgical equipment and medicinal specialities, and a number of proprietary items, including Sphagnol ointment and Pheriban tonic tablets, of which they are distributing agents. The various lozenges, pastilles and tablets issued under the Centurian trade mark were on display at the stand of ERNEST JACKSON & CO., LTD. A range of homogenised vegetables, fruits and soups was set out by LIBBY, MCNEILL & LIBBY, LTD.

Preparations and Apparatus

RYBAR LABORATORIES, LTD., who claim to have been the pioneers in the introduction of inhalation therapy in the treatment of asthma, showed their range of inhalants and inhalers. PAINES & BYRNE, LTD., were featuring their rose-hip syrup which, they point out, contains traces of vitamins P and K in addition to the principal vitamin C. The company's liver preparations included granules of proteolysed liver issued in 5-oz. containers, and vitaminised liver extract capsules. Typical packings of Genoxide and other packs of hydrogen peroxide were displayed by GENOXIDE, LTD., who were offering facilities for supply under chemists' own labels. AEROSOLS, LTD., were demonstrating the mist-producing properties of their aerolyser and phantomyser equipment. SPONCEL, LTD., showed Spontex vegetable sponges, while J. R. GIBBS, LTD., sole distributors for Gibbs Manufacturing Co., Ltd., had a display which included the ultra-modern, all-aluminium vacuum flask (complete with three drinking cups), hot-water bottles, and nursery nappies in pink and blue cartons. Alexandrian senna pods and feeding bottles were also shown.

Some fifty exhibitors had their stands in the lower hall. JOHN BELL, HILLS & LUCAS, LTD., their stand adorned with Jacob Bell's diploma, dated 1841, were showing a range of galenicals and seasonal specialities, "name and address" packs of household medicines, and specimens of labels complying with purchase tax requirements. MEGGESON & CO., LTD., featured children's Meggezones, for the younger patient, and the reintroduction of several lines of packed pastilles that were discontinued during the war. W. J. RENDELL, LTD., displayed new sales aids for their range of products. THOMAS WAIDE & SONS, LTD., in addition to their range of chemists' labels and stationery, featured the Alchemist label container, which holds flat, for easy removal, six varieties of dispensing labels. The central theme on the stand of EX-LAX, LTD., was the biological standardisation of the phenolphthalein used in their product. SAVORY & MOORE, LTD., were featuring E.S.T.P. dusting powder, containing ether-soluble tar distillate, zinc oxide, starch and talcum, and Neodrenal brand isopropyl-*nor*-adrenaline for oral administration.

Display Aids

EVANS MEDICAL SUPPLIES, LTD., showed typical examples of their medical, veterinary and pharmaceutical products, and Gladys Cooper's beauty preparations. Suleo DDT hair emulsion, for pediculosis capitis, was on show at the stand of JEYES' LABORATORIES, LTD. Of special interest at the HERTS PHARMACEUTICALS, LTD., stand were Paramisal para-aminosalicylic acid and Leukolastic elastic adhesive bandages. THE ECONASIGN CO., LTD., were demonstrating a simple process for producing showcards and price tickets, etc., that was originally designed and patented by a chemist. RAMER CHEMICAL CO., showed sponges made from synthetic resin, while displayed on the next stand was a range of medicinal lozenges and pastilles made by ROBERT GIBSON & SONS, LTD. KAYLENE, LTD., were showing Kaylene and Magsorbent products, and a range of pharmaceutical chemicals. Milk products and vitamin preparations were shown by NESTLE'S MILK PRODUCTS, LTD. B. Z. PRODUCTS, LTD., showed a range of Perspex display plaques suitable for use on chemists' counters or in their windows. MARKMASTER, LTD., were showing machines for the production of show material in which the colours are applied by heat.

In addition to their rubber teats and soothers, J. G. INGRAM & SON, LTD., showed hand-made hot-water bottles and seamless enemas. CRESSWELL BROS. & MARKS were displaying sponges of all types as well as chamois leathers and latex rubber gloves. WESTMINSTER LABORATORIES, LTD., had on show their range of proprietaries including Magsilate chewing tablets containing aspirin and magnesium trisilicate. Among the products shown by ALLIED LABORATORIES, LTD., was Egatone, a concentrated food tablet. UNICHEM, LTD., featured samples of the show material and services available to members. Specimens of a new pack of their lung tonic were available at the stand of W. T. OWBRIDGE, LTD. The GENERAL OPTICAL CO., showed a comprehensive range of sight-testing equipment, and many samples of spectacle frames. Foot appliances and surgical hosiery were shown by SCHOLL MANUFACTURING CO., LTD., on a stand that was decorated with enlargements of drawings used in the company's newspaper advertising. BAYER PRODUCTS, LTD., showed a range of specialities including a new pack of Codalgin tablets. Particulars of bonus display terms for Elasto were featured by NEW ERA TREATMENT CO., LTD. A. L. SIMPKIN & CO., LTD., were offering four bonus parcels of medicated confectionery with an opportunity to obtain a rubber mat free or at a nominal charge. At the next stand BOON DORAL, LTD., were featuring Boon skin emulsion, an antiseptic skin cream for cuts and abrasions. Various forms of Rodine rat and mice poisons were shown by THOMAS HARLEY, LTD.

Brushes and Sponges

HALEX, LTD., introduced their new combing brush, made in various colours and shapes, and designed to disentangle the hair without "snagging." A range of T.C.P. products was shown by BRITISH ALKALOIDS, LTD., and featured on the sponge display of LESLIE MARKS & CO., LTD., were Marksman tinted sponges packed in individual transparent containers. JOHNSON & JOHNSON (GT. BRITAIN), LTD., were showing toilet products for infant use, Tek toothbrushes, elastic adhesive dressings and sanitary towels.

ROCHE PRODUCTS, LTD., featured their range of vitamin preparations, including Protovite sugar-coated tablets containing vitamins A, B_1, B_2, C, D. and E, and nicotinamide. BURGOYNE, BURBIDGES & CO., LTD., emphasised on their stand their wide range of galenicals, tablets and pills, and packed pharmaceuticals, and were showing a newly designed label for their galenicals. CIBA LABORATORIES, LTD., were making a particular feature of Crystules (ampoules

containing aqueous crystalline suspensions of pure steroid hormones for depot therapy), and their antihistaminic Antistin.

Exhibiting for the first time were ORRIDGE & CO., who were featuring their stocktaking service backed by a mechanised pricing department. MOORE MEDICINAL PRODUCTS, LTD., featured a new Deedon electric inhaler, described as yielding "a true aerosol ideal for the administration of penicillin for inhalation," as well as a range of proprietaries made by themselves and by CLINICAL PRODUCTS, LTD. IMPERIAL CHEMICAL (PHARMACEUTICALS), LTD., were displaying their range of pharmaceutical products, with emphasis on Avlon penicillin preparations.

Printed Containers

PERCENTA, LTD., were drawing particular attention to aluminium containers, in good supply for home or export use. Containers can be overprinted direct thus obviating the need for labels. All available show material could be inspected at the stand of TAMPAX, LTD., who were showing Tampax 40's, recently reintroduced. FASSETT & JOHNSON, LTD., were showing the range of medicinal and toilet preparations that they distribute, and featured Tattoo lipstick in an increased size at a reduced price. WRIGHT, LAYMAN & UMNEY, LTD., had a display of their coal-tar products, featuring newly designed labels. Particular attention was called to their new foot balm.

THE SANITAS CO., LTD., showed a range of Sanitas disinfectant products, while at adjoining stands were displays of LIQUFRUTA LABORATORIES, W. WOODWARD, LTD., (gripe water), and OPPENHEIMER, SON & CO., LTD. (medicinal specialities including Palatinoids Bipalatinoids and Pulverettes). VITAMINS, LTD., showed a comprehensive range of vitamin products including Pabavel (para-amino-benzoic acid) and Vitavel (vitamin K). STANNING PROPRIETARIES, LTD., were offering B.P., B.P.C., and N.W.F. tablets in bulk, or packed and labelled to conform with purchase tax exemption requirements, as well as sundries and dressings. DELAVELLE (G.B.), LTD., were showing their range of perfumes and cosmetics including Blue Orchid beauty and hair preparations.

PHARMACEUTICAL SOCIETY OF IRELAND

MR. P. A. BRADY (president) was in the chair at a meeting of the Council of the Pharmaceutical Society of Ireland held in Dublin on September 14. Other members of the Council present were Messrs. T. G. Scott (vice-president), J. Gleeson (treasurer), G. C. O'Neill, P. F. McGrath, Senator F. Loughman, T. B. O'Sullivan, M. Power, H. P. Corrigan, M. Costello, P. C. Cahill, N. A. P. McKane, P. Fullam, J. P. Kissane and P. Brooke-Kelly. Apologies for inability to attend were received from Messrs. R. Daly, Cork, J. K. Whelehan, Mullingar, and J. A. O'Rourke.

In the event of an election for the seven forthcoming vacancies on the Council, Messrs. Corrigan and O'Sullivan were appointed scrutineers of the ballot.

A letter was read from the Department of Justice intimating that the Minister had approved the appointment of Dr. John C. Dowling, M.P.S.I., as an examiner in pharmacy for the licence examination. Dr. Dowling wrote thanking the Council for his appointment as pharmacy examiner. Mr. R. J. Kidney (secretary, Irish Drug Association, Wholesale Section) wrote informing the Council that Mr. A. W. Hughes had been nominated as the wholesale representative on the joint committee set up in connection with the sale by retail pharmacists of veterinary preparations. The letter was noted.

A letter from Glaxo Laboratories, Ltd., stated that a member of their staff, Mr. J. Marsh, proposed to give a lecture on pharmaceutical subjects in Dublin in February 1949. The Council agreed to the proposal and suggested that the lecture should be given, if possible, on the evening of the February Council meeting.

An application by Mrs. Margaret Drum (née McDonnell), L.P.S.I., requesting change of name in the register was granted. Applications from the following licentiates of the Apothecaries Hall to be added to the register of pharmaceutical chemists were granted: Norman McNeill Parkes, Hugh M. Weir, Terence M. Moylett, Sean F. Durcan and Daniel B. Sullivan.

A letter was received from the Customs and Excise Training Centre, Dublin, asking the Council to provide facilities to enable officers in training to become familiarised with the appearance and characteristics of certain drugs. The Council unanimously decided that every facility should be provided to enable Customs and Excise officers to obtain the requisite knowledge.

The House, Schools, Education and Law Committees' Reports were submitted and

approved. The Education Committee's report contained a recommendation, which was adopted, that the course in pharmacy should in future extend over four-and-a-half months instead of three months as at present, and that it should begin on October 1 and extend to the middle of February, with the second course starting in the middle of February and extending to June 30. The Schools Committee ruled that the joint physics and chemistry paper of the leaving certificate examination, or the general science paper of the matriculation examination would not satisfy the regulations requiring physics and chemistry for the pre-registration examination after October 1.

Arising from consideration of the Law Committee's report on recent prosecutions, MR. MCKANE expressed regret that the wholesalers who supplied some of the non-qualified retailers with poisons were not themselves made liable under the law, as they were in fact the real offenders. MR. BROOKE-KELLY said that, as the law stood, the Society had no powers over wholesalers. MR. O'NEILL thought that the Society's law adviser might be able to refer to the matter in future prosecutions of the kind to show where the real blame lay.

Preliminary registrations were notified in respect of Anne Marie Berry, Michael Griffin, Thomas Godfrey, Mary Agnes Johnston, James Francis Maguire, Patrick Fintan Larkin, Leo James Keenan, Patrick Murphy, Brigid Bernadette O'Reilly, and Francis Xavier Sheehy.

Examination Statistics

The examiners, reporting on the July licence examination, stated that fifty-seven candidates (forty-one men and sixteen women) had entered, and fourteen candidates had passed, representing 24.56 per cent. Eleven of the successful candidates had been men. One woman candidate had obtained honours and first place, and two men had obtained honours. "The general standard," stated the examiners, "was mediocre as is evidenced by the fact that only seven of the forty-three candidates who were rejected succeeded in reaching the minimum total." The examiners to the July assistants' examination reported that of the forty-six candidates, twenty-one had been successful. Of sixteen men candidates, seven had been successful, and of thirty women candidates, fourteen had been successful. "Five candidates passed with distinction; the balance were of a rather lower standard than usual," added the examiners.

THE REGISTRAR (Mr. James G. Coleman) reported on the deaths of Messrs. G. H. Batt, M.P.S.I., James Mangan, M.P.S.I., R. J. Swanton, M.P.S.I., and John Leavy, R.D. The licence certificates of the following were signed and sealed: Thomas J. Burke, Julia Cashell, Mary K. D. Cullen, Christopher O. Greene, Mairghead Hickey, Patrick A. J. Moran, Annie Moriarty, and Mary M. P. Naughton. The following were elected members of the Society: Mrs. L. Adams, Lieutenant M. J. Duane, and Messrs. Leo V. McKeever, M. G. D. McKenna, R. F. Shaw and A. A. Toher. The following were nominated for membership: Patrick A. Moran, Dublin; Annie P. Moriarty, Ballineen, co. Cork; Terence M. Moylett, Dublin; Walter O'Donnell, Cahir, co. Tipperary; Margaret Mary Gerard Kyne, Drogheda, co. Louth; Leo J. Manley, Naas, co. Kildare; Patrick G. Garahy, Enniscorthy, co. Wexford; Hugh M. Weir, Mullingar, co. Westmeath; and Francis O'Brien, Fermoy, co. Cork.

FIFTY YEARS AGO

New Remedies

(*From the C. & D., September* 24, 1898)

VALERYDIN is a valerianic ester of para-amidophenol. . . Bromipin and iodipin are halogen addition compounds of sesame oil, each containing 10 per cent. of the halogens recently introduced by Merck . . . Largin is an albumen-silver compound which occurs as a whitish-grey powder, soluble in water and glycerin . . . Guaiacetin, or brenzcatechinmonoacetate of sodium, is a white odourless and tasteless powder, which possesses all the properties of guaicol, and for that reason has been used in lung-affections . . . Migrol is a compound of it and brenzcatechinmonoacetate of caffein . . . These remedies have been introduced into England by Messrs. Reitmeyer & Co. Tannoform is obtained by the precipitation of an aqueous mixture of tannin and formaldehyde with hydrochloric acid. Merck reports that it is one of the best local remedies for eczema . . . Heroin is the name of a new derivative of morphine, obtained by the substitution of two hydroxyl groups by acetyl groups. It was first prepared by Dr. Oscar Liebreich, and is manufactured by the Elberfeld Farbenfabriken. The physiological and clinical investigations by Professor Dreser and Dr. Floret, of Elberfeld, show that heroin possesses in greater degree the remarkable soothing influence upon the bronchi, which has latterly made codeine so popular with medical men.

PHARMACEUTICAL CONFERENCE SCIENCE PAPERS

(*Continued from* The Chemist and Druggist, *September* 18, *p.* 382)

Local Anæsthetics and Ester-Hydrolysing Enzymes

Part III. Inhibitory Action of Local Anæsthetics on Cholinesterase

By Kenneth Bullock

[Abstract]

The concentrations of fourteen different local anæsthetics required to cause a 50 per cent. inhibition of the cholinesterase of horse serum at *p*H 8.0 were found to vary from 2.29×10^{-6} to 8.65×10^{-4}. Amethocaine hydrochloride, diothane and cinchocaine hydrochloride inhibited horse serum cholinesterase almost as powerfully as eserine sulphate. Inhibition of cholinesterase was found to be related more closely to anæsthetic potency than to chemical constitution. The anticholinesterase activity was shown to be proportional, over the mid range, to the logarithm of the concentration, and to be increased by increasing *p*H over the range *p*H 6.0—8.0. Some local anæsthetics, it is suggested, such as amethocaine, are fairly rapidly hydrolysed by cholinesterase to inactive products, while others, such as cinchocaine hydrochloride, are resistant. The possible bearing of this on pharmacological action is discussed. The inhibitory effects of the local anæsthetics on pancreatic lipase, liver esterase and cholinesterase are compared. (From the Department of Pharmacy, Manchester University).

Discussion

The Chairman, congratulating Dr. Bullock, said the paper dealt with an interesting example of the use of a chemical method for estimating pharmacological action. Mr. Somers also congratulated Dr. Bullock. Pharmacologists, he said, agreed that the mode of action of local anæsthetics was far from clear, and the author had wisely pointed out some of the pitfalls to be avoided. Mr. Somers suggested that the figure quoted for the local anæsthetic activity of amethocaine was low in the light of a paper read by himself at the 1947 conference. The property of inhibiting cholinesterase was not specific to local anæsthetics—it was exhibited, for example, by morphine and strychnine.

Professor H. Brindle said that in many parts of the world work on similar lines was being carried out and one day someone would make a discovery that would greatly extend knowledge of the mode of action of certain big classes of drugs, including that of local anæsthetics. He hoped fortune would favour Dr. Bullock's work.

Dr. Bullock thanked the speakers for their generous remarks. He agreed that the test was not specific for local anæsthetics but suggested that the question of permeability might be involved. Physiologists, explaining nerve action, tended to be divided into "the electricians" and "the chemists," each belittling the theories of the other, but the antagonism provided a valuable stimulus to both groups of workers.

Pharmacology of an Opaque Agent

By J. E. Page, G. F. Somers and M. E. Fielding

[Abstract]

Examination of a 50 per cent. solution of the diethanolamine salt of 3 : 5-diiodo-4-pyridone-N-acetic acid (diodone) revealed that it is supersaturated and, although the compound at this concentration may remain in solution for long periods, factors such as low temperature during storage may lead to solidification. An equivalent 50 per cent. solution employed in the United States of America contains 40.5 per cent. w/v of the diethanolamine salt of 3 : 5-diiodo-4-pyridone-N-acetic acid and 9.5 per cent. of the diethylamine salt of the same compound and is therefore a mixture of two salts of the same iodine compound, of which the solubility is increased by making use of the principle that mixtures of similar organic compounds usually show a greater solubility than the single pure substances. Mixtures of the two salts in varying proportions have been examined and found to be more stable than equivalent solutions of the diethanolamine salt alone. The pharmacological properties and the rate of excretion of the diethylamine derivative of 3 : 5-diiodo-4-pyridone-N-acetic acid have been compared with those of the diethanolamine salt, and the diethylamine salt is shown to be more toxic to mice than the diethanolamine salt by the intravenous route. The cardiac, blood pressure and respiratory effects of the two salts are found to be closely similar, but the rate of excretion of the diethylamine salt is shown to be much slower than that of the diethanolamine salt.

Discussion

Questions were asked by Dr. Evers (chairman) on whether any other bases than diethylamine had been tried, by Dr. Norman, Welwyn Garden City, and Mr. Whittet, London, on whether any irritant effects of diodone had been noted by the authors, and by Dr. G. E. Foster, Dartford, on the reason why diodone solutions turned pink on storage. Dr. Page replied to the question on other compounds by saying that there were substances that might be used but they were not readily available. He would make available to the Conference editors a list of such compounds given in a German patent specification. Mr. Somers dealt with the other questions. He had had no experience of necrosis or other irritant effects from diodone, but would look into the matter. With solutions that might solidify it was obviously necessary that clear glass ampoules should be used, and in these there was a tendency towards coloration. They should therefore be kept in a closed box. He had not examined the toxicity of the coloured solutions.

Instability of Picrotoxin Solutions

By G. Bryan and P. B. Marshall

[Abstract]

The effect of various methods of preparing picrotoxin solutions on the anti-barbiturate activity of the final solutions was investigated. Solutions sterilised by filtration, by heating with 0.2 per cent. of chlorocresol or by heating in an autoclave, affected neither the median convulsant dose nor the median lethal dose in mice. The toxicity of a solution of picrotoxin was not changed significantly after storage for three months at room temperature. The antidotal power of picrotoxin against sodium Amytal in mice was reduced by about 50 per cent. in an autoclaved solution, but remained unchanged in solutions sterilised by filtration and by heating with an antiseptic. The awakening activity of picrotoxin on mice anæsthetised by Nembutal was reduced when the solution was autoclaved, but the reduction was not so marked as in the antidotal tests. The awakening potency of autoclaved picrotoxin solutions was unchanged when the solution was maintained at acid *p*H values, but fell by as much as 50 per cent. in alkaline solutions. Loss of activity was proportionate to the increase in *p*H. The authors recommend that only freshly-distilled water and the finest quality glass containers be used; that the solution should be sterilised by filtration; and that it should contain a suitable buffer to maintain a *p*H of not more than 6.5. (From the Children's Hospital, Birmingham, and the Pharmacology Department, Birmingham University.)

Discussion

Mr. Bryan forestalled one or two possible questions by explaining that in the course of the researches there had arisen some cause to doubt whether certain vaccine bottles complied with the B. P. test for alkalinity. They were tested after the paper had been completed. Satisfactory bottles were used in all but the antidotal tests, but in the solutions at *p*H 9 stored overnight the median convulsive and lethal doses had doubled. For this reason one of the conclusions in the paper as printed was no longer valid. It was regrettable that the 1948 B.P. should include an injection of picrotoxin prepared and stored without regard to the conditions.

Dr. Evers described the paper as a pleasing example of co-operation between pharmacist and pharmacologist.

Mr. W. Mitchell, London, said that picrotoxin was usually purified by crystallising from boiling water and by that method did not materially decompose. Could the results be influenced by the prior history of picrotoxin? Mr. Bryan replied that only a small portion of the investigation had been reported. Comparative tests had been carried out with different samples but the paper represented comparative results on the same sample.

Mr. N. H. Allport, London, pointed out that Myer and co-worker in 1898 had shown picrotoxin to be a loose compound of two substances: picrotoxinin and picrotin. The parent substance split very readily by gentle alkaline treatment, yielding 55 per cent. picrotoxinin and 45 per cent. picrotin, the first therapeutically active and the second inactive. He had tried to evolve a chemical assay, trying out various colour tests, but without success. The only practical method he had found was by precipitating the picrotoxinin with bromide and filtering off, leaving only picrotin, but he was not entirely satisfied with the process. The author said he was aware of the breakdown compounds of picrotoxin but the problem went much deeper. On the basis of a 50 per cent. breakdown, the activity was much less but there was no lessening of toxicity, since picrotin was twice as active as picrotinin.

Mr. Stevenson, London, said most people were putting picrotoxin in containers

of twice the maximum dose. Did this indicate that 50 per cent. had been lost by sterilisation or were two compounds present?

Mr. H. Grainger, London, thought it unwise to pay too much attention to the maximum dose.

Mr. T. D. Whittet confirmed, and said the effect in barbiturate poisoning cases appeared to have no relation to the dosage given. In the United States amphetamine sulphate had been found superior to picrotoxin as an analeptic in barbiturate cases; one advantage was that an overdose was not so dangerous.

Olive Stones in Powdered Drugs

By T. E. Wallis and D. K. Santra

[Abstract]

Powdered olive stones have been and are being used for the adulteration of many powdered drugs and spices and it has been difficult to devise an accurate method for determination of the amount in which they are present in samples. The number of cells present in a No. 85 powder of olive stones was computed by counting the cells along two directions at right angles to one another and using half their average as the radius of an imaginary equivalent sphere using the formula $4/3\pi r^3$. Each of the particles was then disintegrated and the actual number of cells counted. The results showed that if not less than twelve particles are used the calculation method is reliable. The number of sclereids per mgm. of olive stones was next determined in a No. 85 powder both by calculation and by the disintegration methods, and the result applied to determinations of olive stones in powdered gentian and in powdered clove. By a method of differential staining with N/20 iodine the sclereids of pepper and of olive stones when in admixture could be distinguished and by the use of the average figure for the number of sclereids per mgm. of pure olive stones, the amount of olive stones in adulterated powdered black pepper was determined. (From the museum of the Pharmaceutical Society.)

Discussion

Dr. T. E. Wallis, London, paid a tribute to Mr. Santra's patience and perseverance, which had enabled him to solve a problem that had been before the speaker for thirty years.

Mr. Fairbairn, London thought that the interest of the paper lay in the fact that for the first time the "lycopodium" method devised by Dr. Wallis had been applied to solid particles in three dimensions. The method had been successively applied to one, two and now three dimensions. In assuming that the particles were spherical the authors had perhaps been lucky. He would now like to see the method extended to the fourth dimension, which some said was time, for the routine was very time-consuming.

Mr. Walker, London, asked to what extent olive stones were being used today as adulterant. Was Dr. Wallis's reference to a thirty-year old problem an indication that in practice it no longer existed? Mr Santra admitted that the last major case was in 1913, though there had been several minor ones up to 1930. The paper was really to be regarded as a study of the three-dimensional method.

Dr. J. M. Rowson, Sunderland, asked for enlightenment on the iodine differentiation. Had the author any explanation of the reaction? And had he applied the method to mixed adulterants? Mr. Santra replied that the sclereids of olive stones were peculiar in having no cell contents, hence staining with iodine differentiated sharply between the drug and the adulterant sclereids.

Indian Santonica

By N. A. Qazilbash

[Abstract]

In the Kurram area of North-west India, santonin-containing as well as santonin-free species of santonica are both found. The places in which the santonin-containing form grows wild are specified; the santonin-free areas are also named. There are certain areas where both the forms are met with, growing side by side. They belong to botanically distinct species. In the santonin-containing species of *Artemisia* remarkable variation of santonin content is found. A collective study of the santonin content of a large number of samples collected periodically during several years indicated that in the Kurram santonica there were two maxima in the seasonal variations of santonin content—when the new flower-heads were just beginning to appear, and when the unopened flower-heads containing immature florets were well developed. The Kurram santonica is found to be botanically distinct from all previously known species of *Artemisia*. It is named by the author *Artemisia kurramensis* Qazilbash (sp. nov.). (From the Department of Botany, Islamia College, Peshawar.)

There was no discussion on the paper.

(*To be concluded*)

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Old Colleagues Sought

SIR,—I wish to contact several chemists who were colleagues with me in 1938-39 at the late South of England College of Pharmacy. Any ex-student who was there with me is invited to write to me at 43 Heddon Court, Cockfosters, Herts. He may hear something to his advantage.

Yours faithfully,

Cockfosters, Herts. N. H. RYMER.

Purchase Tax

SIR,—Now that chambers of commerce and other business men's organisations throughout the country are demanding abolition of purchase tax, may I suggest that Mr. Hugh N. Linstead, M.P., on behalf of the drug trade, should move within the House for its cancellation now, without waiting till the Budget next April.

S. E. A.

A Nought Lost

SIR,—I notice in the report on the discussion on the symposium session of the British Pharmaceutical Conference (*C. & D.*, September 18, p. 385) that I am quoted as having suggested Teepol 1 in 250 to stabilise oily calamine lotion. I would be glad if you could correct this to read 1 in 2500, as I fear that a nought has been omitted at some stage of the transcription. Actually I referred to "approximately" 1 in 2500 being a suitable quantity, as I was then only speaking from memory and not from notes. One in 250 would, however, be unnecessarily strong.

Yours faithfully,

London, W.C.2. J. R. ELLIOTT.

Organisation of Employees

SIR,—We were interested to read in your issue of August 21, in a report on a conference held in London on August 10 under the auspices of the Association of Pharmaceutical Employees, that there is a "division of opinion" as to how employee pharmacists should organise in England. It may interest the A.P.E. to know of our employee organisation in Northern Ireland, which is the Associates' Section of the Ulster Chemists' Association. The Associates' Section is a registered trade union of employees within the parent trade union (the Ulster Chemists' Association, representing employer pharmacists) and a Joint Council has been formed composed of an equal number of employer and employee pharmacists. This Joint Council obviates having a trade union official who does not differentiate between a pharmacist and the man who manages a grocery or butchery shop.

Belfast. V. J. ELLIOTT, *Secretary*.

Pharmacy as a Career

SIR,—Some little time ago a correspondence was carried on in a Scottish daily press paper on the above subject. Certainly it is an interesting and arresting topic for discussion. So far as I could gather all the correspondents seemed to think in terms of £ s. d., not in terms of "service." Should pharmacy not be called a "calling?" To my mind I think that those who enter the profession should do so with the ideal of "What they can put into it" and not altogether "what they can take out of it." A pharmacist in his daily routine can often find a great deal he can do for the uplift of humanity and he can often get a far greater reward by so doing than merely that of money. I would suggest that we face matters in their proper perspective and not be too mercenary in our outlook. I certainly admit we ought to be properly paid, yet withal let it be known that we are not out for all that we can get without showing that we have a far greater ideal—What we can give and what we can do for our neighbours. SCOTTISH CHEMIST.

Appeal for the Limbless

SIR,—Thanks to the vast improvements that have been made in the manufacture and fitting of artificial limbs, the limbless man is today no longer a conspicuous figure invoking sympathy. Yet he is often haunted by the fear that his stump might give way. That is why the British Limbless Ex-Servicemen's Association is appealing for greater support. Many of the 45,000 veterans of the 1914-18 war overcame the handicaps imposed by amputation and the majority are leading full and useful lives today. In the 1939-45 war a further 10,000 men suffered loss of limbs and many are now in urgent need of assistance. Donations may be sent to the Association at 25 Charles Street, London, W.1.

Yours faithfully,

London, W.1. WILLOUGHBY DE ERESBY.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, Sept. 22

A STEADY increase in home trade in PHARMACEUTICAL and FINE CHEMICALS has occurred in the last few days with further buyers intent on purchasing their winter requirements. The export markets have also been particularly busy. Prices of pharmaceutical chemicals are unchanged and supplies, for the most part, are coming forward in a satisfactory manner. The Minister of Food has increased the price of LIQUID GLUCOSE by 14s. per cwt. on first-hand sales. The new price will take effect on October 10.

Rather more inquiry is reported for CRUDE DRUGS, although many articles still remain quiet markets. Prices are little changed on the week, but there are indications that with any appreciable demand forthcoming firmer conditions might ensue. Business in AGAR has been disappointing this week, after the promise of an increased demand for this commodity experienced a little time ago. A good inquiry has been received for COPAIBA BALSAM for export; the parcel of Maranham balsam, recently offered, has now been sold. BUCHU remains a dull market. A brisk trade has been done in CARDAMOMS and stocks of Mangalore have been considerably reduced; the market is firm. Little headway has been made in CASCARA SAGRADA, of which considerable stocks are held by merchants. African GINGER is firm with higher prices, up to £66 per ton, being paid in Sierra Leone. IPECACUANHA continues quiet at unchanged prices. Little interest is being shown in LIQUORICE ROOT; parcels of Russian natural on the spot are offered at about 45s. per cwt. Lower prices are asked for both American and Indian PODOPHYLLUM. SHELLAC on spot is firmer.

The markets for ESSENTIAL OILS have been without special feature. A fair shipment business has been done in ANISE (STAR) and the forward market is inclined to strengthen. Lower prices are asked for EUCALYPTUS. Quotations for French LAVENDER have been shaded a little; new-crop oil will be available shortly.

U.S. Drug and Chemical Report

New York, September 17

A FURTHER manufacturer of BISMUTH SALTS has increased prices to the level noted last week and the higher prices are expected to be general throughout the trade in the near future. POTASSIUM IODIDE and IODINE prices were advanced 15 and 20 cents per lb., respectively during the week as a result, it was stated, of higher manufacturing costs. New prices for potassium iodide range from $2.10 to $2.20 per lb., while resublimed iodine is quoted at $2.65 to $2.66 per lb. A leading producer of PENICILLIN TABLETS announced a 25 per cent. reduction in his price schedules during the week. His new price is $1.35 per package of twelve 50,000 unit tablets as compared with $1.80 previously. Little SYNTHETIC GLYCERIN has so far appeared on the market and producers of the natural material do not expect any pricing competition for some time to come. The "Journal of Commerce" notes the arrival of 1,000 flasks of Italian MERCURY, 200 drums of POTASSIUM CYANIDE from Liverpool and 110 casks of PHTHALIC ANHYDRIDE from Belgium. Both CAMPHOR and MENTHOL remain quiet though consumers of the latter are expected to enter the market in the very near future to purchase their winter requirements. In the meantime, the spot price of menthol remains unchanged at $9.00 to $9.15 per lb. There has been little activity on the CRUDE DRUGS market over the week, although some domestic items display a strong tone. PODOPHYLLUM ROOT and WITCH-HAZEL and ROSEMARY LEAVES were all marked up a few cents during the week, while Spanish SAFFRON was reduced a full dollar a pound—to $23.50 per lb. on the inside. Highly unsettled conditions still prevail in CARNAUBA WAX and it is rumoured that some Brazilian exporters who have been offering wax at a discount have been refused export licences. Downward price movements again predominated on the ESSENTIAL OILS market last week and among the items reduced in price were SPEARMINT—from $5.75 to $5.70 per lb.; Californian LEMON, from $2.65 to $2.55; and Algerian GERANIUM, from $13.00 to $11.50 per lb.

Pharmaceutical Chemicals

BARBITONE.—Base and soluble are available at prices from 43s. 6d. to 46s. per lb.

BARIUM SULPHATE, B.P. (*x*-ray).—Prices are unchanged. 1 cwt., 1s. 3d. per lb. Schedule rates per lb. (containers in brackets), for quantities between 28 lb. and 1 cwt. are as follows: 1s. 8d. (1-lb.), 1s. 7d. (2-lb.), 1s. 6½d. (4-lb.), 1s. 5½d. (7-lb.), 1s. 5d. (14-lb.), 1s. 4d. (28-lb.).

BENZYL BENZOATE. — In good demand. B.P. quality is quoted from 4s. 6d. to 5s. per lb., according to quantity; perfumers' quality, 5s. to 5s. 6d. per lb.

BORIC ACID.—Current rates for ton lots of B.P. quality are: Granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in 1 cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards. Terms quoted do not apply to Northern Ireland,

CALAMINE. — Pharmacopœial quality is about 2s. per lb.

CALCIUM GLUCONATE.—Makers' prices are from 3s. 1d. to 3s. 4d. per lb.

CHLORAL HYDRATE.—Current rates per lb., for the home trade, are as follows: 1-cwt. lots, 4s.; 56-lb., 4s. 2d.; 28-lb., 4s. 4d.

CHLOROFORM.—Current prices are as follows: 1-cwt. lots in winchesters, 2s. 11d. per lb.; 56-lb. lots, 3s. 2½d.; in drums, 3s. 1d. and 3s. 1½d. respectively.

CITRATES.—Makers' rates are unchanged. POTASSIUM, 5-cwt. lots, 2s. 10½d. per lb.; 1 cwt., 2s. 11½d.; scheduled prices foi quantities of 28 lb. to 1 cwt. are (containers in brackets): 3s. 9½d. (1 lb.); 3s. 8d. (4-lb.); 3s. 7d. (7-lb.); 3s. 6½d. (14 lb.); 3s. 5½d. (28-lb.); IRON AND AMMONIUM CITRATE, B.P., 7d. per lb. more; SODIUM, B.P., 3d. per lb. less; powder, 1d. per lb. extra.

CITRIC ACID, B.P.—Makers quote 1s. 5½d. to 1s. 7½d. per lb., less 5 per cent., for 1-cwt. lots, delivered in the United Kingdom.

CREAM OF TARTAR.—Supplies of British material meeting requirements. Current rates for the home trade: 10-cwt. lots, 153s. per cwt.; 5 to 10-cwt., 154s.; less than 5-cwt. and more than 2-cwt., 155s.; less than 2-cwt. and more than 1-cwt., 157s.

CREOSOTE.—B.P. quality, ex beechwood, quoted at from 7s. per lb., upwards.

CRESOL.—Controlled price of B.P. quality from distillers is 4s. 6d. per gall., ex sellers' premises.

ETHYLMORPHINE. — Home trade prices per oz.; ALKALOID, ½ oz., 57s. 6d.; 1 oz., 55s.; 2 oz., 53s. 6d.; 3 oz., 52s. 9d.; 4 oz., 52s. 6d. HYDROCHLORIDE, ½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s.

GLYCERIN B.P. — Prices are steady. Current rates per cwt. are as follows:—

Contracts or spot lots of	Under 1 cwt.	1 cwt. and under 2½ cwts.	2½ cwts. and under 5 cwt.	5 cwt. and under 10 cwt.	10 cwt and under 20 cwt.
Minimum deliveries off contract of	—	1 cwt.	1 cwt.	1 cwt.	2 cwt.
Tins:	s. d.	s. d.	s. d.	s. d.	s. d.
14-lb. ..	156 6	152 0	151 0	148 0	147 0
28-lb. ..	153 6	149 6	148 6	145 6	144 6
56-lb. ..	150 6	147 0	146 0	143 0	142 0
Drums:					
1-cwt. ..	—	136 0	135 0	132 0	131 0
2½-cwt. ..	—	—	133 0	130 0	129 0
5-cwt. ..	—	—	—	129 6	128 6
10-cwt. ..	—	—	—	—	128 0

1 ton and under 5 tons (minimum deliveries off contract of 5 cwt.), 14-lb. tins, 143s.; 28-lb., 140s. 6d.; 56-lb., 138s., 1-cwt. drums, 127s.; 2½-cwt., 125s.; 5-cwt., 124s. 6d.; 10-cwt., 124s. 5 ton and upwards (minimum deliveries off contract of 10-cwt.), 14-lb. tins, 141s. 6d.; 28-lb., 139s.; 56-lb., 136s. 6d.; 1-cwt. drums, 125s. 6d.; 2½-cwt., 123s. 6d.; 5-cwt., 123s.; 10-cwt., 122s. 6d. Extra charges are levied for smaller deliveries, ex contract, from 6d. to 2s. per cwt., according to quantity. Refined pale straw industrial glycerin is 5s. per cwt. less than chemically pure. Terms: Carriage and delivery paid. A discount of 2½ per cent. is deducted if paid in one month, or on buyers' regular monthly pay day in the month following delivery; afterwards, net. Tins and cases free (not returnable). Drums loaned and invoiced at sellers' current rates and credited in full if returned within four months, carriage forward and in good condition.

PHENACETIN.—Supplies continue scarce; nominal prices, from 5s. to 6s. per lb.

PHENAZONE.—Nominal prices are from 32s. 6d. to 35s. per lb.

PHENOLPHTHALEIN. — Manufacturers' prices are as follows: 1-cwt. lots, 6s. 1d.; 28-lb., 6s. 3d.; 14-lb, 6s. 6d. per lb.

POTASSIUM PERMANGANATE. — Makers' rates are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5 cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms, net, carriage paid to nearest station (or port of departure for Northern Ireland). containers extra and returnable.

PYROGALLIC ACID. — Quotations for CRYSTALS are: 1 cwt., 18s. 6d. per lb.; 56 lb., 19s.; 28 lb., 20s. RESUBLIMED is 22s. 3d. per lb. in 1-cwt. lots; 56-lb., 22s. 9d.; other quantities in proportion.

RESORCIN.—Continues in short supply. Current prices are at from 10s. 6d. to 12s. 6d. per lb., according to quantity.

ROCHELLE SALT.—Current rates per cwt. for powder are: 1 cwt., 162s. 6d.; 5 cwt., 160s. SEIDLITZ POWDER, ordinary strength is quoted at 126s. 3d.; extra strong, 136s.; and double strength, 141s. 9d. per cwt.

TANNIC ACID. — Moderate supplies reported. B.P. levis is from 8s. 9d. per lb.; ether soluble, from 9s. per lb.

THEOBROMINE.—In good export inquiry, with supplies adequate. Makers' prices (per lb.) are: ALKALOID, from 37s. 6d. to 41s. 6d., according to quantity; CALCIUM SALICYLATE, from 21s. 3d. to 25s. 3d.; SODIUM BENZOATE, 23s. 9d. to 26s. 9d.; SODIUM SALICYLATE, from 21s. 3d. to

THYMOL, B.P.—Supplies continue short. Nominal prices from maker are from 17s. 9d. to 18s. 6d. per lb.; 20s. per lb. asked for small quantities.

Crude Drugs

ACONITE.—Indian is steady at 300s. per cwt., spot; *Napellus*, 3s. 10½d. to 4s. 3d., duty paid, according to holder.

AGAR.—Japanese strip, 16s. to 18s. 6d. per lb., duty paid; forward, 15s. to 16s., c.i.f. South African powder, in tins in cases, is available at 20s. per lb.

ARNICA.—Spot quotations for flowers are steady at 3s. per lb., duty paid.

BELLADONNA.—Yugoslav root (testing 0.435 per cent.) is offered at 4s. 9d., duty paid; parcels of English leaves testing 0.4 per cent. and 0.8 per cent. are offering at 5s. 6d. and 7s. 6d. per lb., respectively.

BENZOIN.—Sumatra block on the spot is from £14 to £16 per cwt., as to quality; Sumatra almonds, £55 per cwt. Siam free almonds, to arrive, £120 per cwt.

BISMUTH.—Metal is unchanged on quotation at 11s. per lb. for 5-cwt. lots.

BUCHU.—Short rounds on spot are quoted at from 3s. 10½d. to 3s. 11d. per lb.; shipment, 3s. 8d. to 3s. 9d., c.i.f.

CALABAR BEANS.—Parcels on the spot are offered at 10½d. to 11½d. per lb.

CAMPHOR.—Chinese tablets steady at from 9s. 9d. per lb., duty paid; refined powder (B.P.), 8s. to 8s. 6d., with B.B. grade, 7s. 6d.; slabs (2½-lb.), 7s. 3d.; crude powder, 6s. 6d.

CARDAMOMS.—Good business done and stocks have been greatly reduced. Mangalore half-bleached A's, 9s., nominal, spot; B's, 8s., nominal; seeds, 8s. Aleppy seeds, 9s., spot; 8s. 9d. to 9s., c.i.f., per lb. Aleppy greens, 7s., spot; 6s. 9d., c.i.f. Ceylon seeds, 7s. 9d. per lb.

CASCARA SAGRADA. — Little inquiry reported. 1947 peel on spot is available at from 200s. per cwt. upwards, duty paid.

CLOVES.—Zanzibar, spot, quoted at 10d. per lb.; shipment, 11d., c.i.f. Madagascar, shipment, 7d., c.i.f. Penang, on spot, 2s. 9d. to 3s. per lb.

COLCHICUM.—Corms on the spot, offered at prices from 6s. 6d. to 7s. 6d. per lb.

CUBEBS.—A parcel is offering at 3s. 9d. per lb., duty paid.

DERRIS ROOT.—Controlled price of the root and "other rotenone materials" is 2s. 4d. per lb., ex warehouse.

DIGITALIS.—Quiet. Portuguese leaves quoted at about 150s. per cwt., spot; English, from 2s. 3d. per lb. Powder, B.P., is available at 5s. 9d. per lb.

EPHEDRA.—Herb is offered at around 62s. 6d. to 67s. 6d. per cwt., ex wharf.

FRANGULA—Offers of spot parcels of bark are from 170s. to 190s. per cwt.

GINGER.—African on spot is quoted at 80s. per cwt.; new-crop, September-October, 73s., c.i.f. Jamaica No. 1 quoted up to 125s.; No. 2, 117s. 6d.; No. 3, 115s. per cwt., spot.

GUM ACACIA.—Steady. Kordofan cleaned sorts, 65s. per cwt., ex store, London; shipment, September-October, 60s., c.i.f. Bleached No. 1, 125s., ex store; to arrive, 115s., c.i.f. Talha, 45s., ex warehouse; 42s., c.i.f.

HENNA.—Egyptian leaves on the spot are offered at prices from 115s. to 140s. per cwt. Indian is available at 85s. per cwt.; powdered leaf, 1s. 9d. per lb.

HONEY.—Prices are unchanged. Agreed rates per cwt. for Australian or Jamaican honey, for manufacturing purposes, are as follows: In original packings (56-60 lb. tins for Australian or 3½-cwt. barrels for Jamaican) for quantities of 10 cwt. or more, 96s.; less than 10 cwt., 105s., net, carriage paid. Refined repacked honey is available at the following rates per cwt.; In 7-14 lb. tins, 145s.; 28-lb. tins, 130s.; 56-lb. tins, 120s., carriage paid, subject to wholesale discount of 8½ per cent.

HYDRASTIS.—Spot quotation is at 49s. per lb., duty paid.

IPECACUANHA.—Nicaraguan on spot is quoted at from 23s. 6d. to 24s. per lb.; for shipment, 18s., c.i.f.

IRISH MOSS.—French select bleached, 120s. per cwt.; No. 1, 105s.; No. 2, 95s. per cwt.

JALAP.—Vera Cruz, spot, 3s. to 3s. 9d. per lb. as to test (15 to 17 per cent. resin). Brazilian (13 per cent.), 1s. 6d.

JABORANDI.—Parcels on the spot are offered at from 70s. to 75s. per cwt., as to seller.

KARAYA.—No. 1 gum on spot is quoted at 215s.; to arrive, 205s., c.i.f. No. 2, 180s. per cwt., spot.

KINO.—A parcel of Indian gum is offered at 7s. 6d. per lb., spot London.

KOLA NUTS.—African quarters, 6d. per lb.; African halves, 2½d. to 3d., according to quality; Jamaican washed halves, 4½d. per lb.

LIQUORICE.—Quiet. Anatolian natural, spot, from 47s. to 50s. per cwt., as to holder; Syrian, 40s.; Russian, 45s. to 46s. Italian block, 375s. per cwt., spot; Italian stick, from £385 to £525 per ton, as to quantity and grade. Turkish block, from 240s. per cwt.; Syrian block, to come forward, 405s., duty paid; American block, £172 per ton.

MACE.—West Indian blade, spot, 7s.; pickings, 4s. 6d. to 5s. 6d. per lb., according to quality.

MENTHOL.—Steady. Spot quotations are from 44s. to 45s. per lb., duty paid, for Brazil; in bond, 42s.

NUTMEG. — West Indian 80's, spot, 3s. 4d.; sound unassorted, 2s. 11d.; wormy and broken, 1s. 8d. per lb.

NUX VOMICA.—Madras, spot, steady at 40s. to 42s. 6d. per cwt.; Mangalore, 40s.; Cochin, 42s. 6d. to 45s., spot.

OLIBANUM.—Fair to good drop, from 200s.; pea size, 200s.; good garblings, 160s.; seeds, 170s.; siftings, 90s. per cwt.

ORANGE PEEL.—Spanish quarters, 1s. 2d. to 1s. 5d., spot; sweet ribbon, 1s. 9d. Seville bitter ribbon, 1s. 1d.; thin-cut Tripoli, 1s. 2d. per lb.

PAPAIN.—East African No. 1 is quoted at 23s. per lb., spot; Ceylon, 18s.

PODOPHYLLUM.—Steady. American (*peltatum*), spot, London at 280s. per cwt.; Indian (*emodi*), from 315s.

SEEDS.—ANISE—Cyprus is quoted at 1s. 5½d. per lb., and Turkish at 1s. 5d. per lb., duty paid, both spot London. CARAWAY.—Stocks of Dutch on spot are not too plentiful at the moment and 105s. per cwt., duty paid, is still quoted. CELERY.—Indian remains quiet at 1s. 2d. per lb., spot London or Liverpool. CORIANDER.—Argentine remains unchanged at 42s. 6d. per cwt., duty paid. Morocco, now landing, quoted at 42s. per cwt., duty paid, ex wharf London. CUMIN.—Both Indian and Cyprus are in poor demand. Indian, spot Liverpool, quoted at 195s. per cwt.; Cyprus, spot London, now quoted at 200s. per cwt. A parcel of Polish is offering at 165s. per cwt., duty paid, in London. DILL.—Indian is offered at 47s. per cwt. spot London, and 46s. per cwt. in Liverpool. The shipment price is a little easier; 42s. 6d. per cwt., c.i.f. London or Liverpool, now quoted. FENNEL.—Indian is quiet on spot at 72s. 6d. per cwt. in London, and 70s. per cwt. spot Liverpool. FENUGREEK.—Indian is now offered at 55s. per cwt., spot London and/or Liverpool. Morocco is now available both in London and Liverpool at 55s. per cwt., duty paid.

SENEGA.—Steady. Spot quotations are from 9s. 6d. to 10s. per lb., as to holder.

SHELLAC.—Spot quotations, ex London warehouse, are: F.O.T.N. pure, 345s.; F.O. Standard 1, 352s. 6d.; fine orange, 360s. to 400s. per cwt.

UVÆ URSI.—A parcel of leaves is quoted at 85s. per cwt., ex wharf London.

VALERIAN.—Belgian root on spot is quoted at 170s. per cwt.

WAXES.—The markets have been fairly steady with a moderate trade done. BEES'—Dar-es-Salaam is quoted at 320s. per cwt., spot; shipment, 276s. 6d., c.i.f. Lindi, spot, 315s.; shipment, 282s. 6d. per cwt., c.i.f. Benguela, in bond, 310s.; shipment, 300s. per cwt., c.i.f. CANDELILLA.—Spot quotations are at 385s.; shipment, 375s., nominal, c.i.f. CARNAUBA.—Prime yellow, on spot, 725s.; shipment, 700s. per cwt., c.i.f. Fatty grey on spot is offered at 460s.; shipment, 450s. per cwt., c.i.f. Chalky grey, 450s., spot; 445s. per cwt., c.i.f. MONTAN. — Reibeck, 300s., spot; Czechoslovak crude, 275s. per cwt. OURICURI.—Spot. 1 per cent., 430s.; 4.7 per cent., 420s. per cwt. SPERMACETI.—Spot, 3s. 1½d. per lb.

Essential and Expressed Oils

ALMOND.—Prices of sweet oil (B.P.) continue to decline with most holders now asking 5s. 6d. to 6s. per lb. Bitter essential oil is from 27s. 6d. to 40s. per lb., as to quality and seller.

ANISE.—Chinese star, in drums, is quoted at 5s. per lb., with up to 5s. 6d. for smalls; October-November shipment, 4s. 9d., c.i.f.

BAY.—West Indian is easier on the spot with offers at from 6s. to 7s. 6d. per lb.

CAMPHOR.—White oil on spot is quoted at from 2s. 5d. to 2s. 8d. per lb., duty paid.

CARAWAY.—English-distilled is offering at 37s. to 40s.; imported, 28s. to 30s. per lb.

CASSIA. — Spot quotations are from 12s. 6d. to 15s. per lb., as to quality and seller.

EUCALYPTUS.—70-75 per cent. (B.P.). 3s. 6d. per lb. for drums, and up to 5s. for smaller quantities; 3s. 8d., c.i.f.

GINGER.—Prices are from 70s. and upwards per lb., according to grade.

LEMONGRASS.—Drums, spot, 5s. 3d. to 5s. 6d. per lb., with up to 7s. for smaller quantities; shipment, 5s. 3d., c.i.f.

LIME.—Spot is offered at from 26s. to 30s. per lb., according to quantity.

OLIVE.—Importers' price is 29s. 8d. per gall. of 9 lb. Wholesalers' prices are: 1 pint, 5s. 6d.; 2 pints, 10s.; ½ gall., 19s.; 1 gall., 37s. 6d.

PALMAROSA. — Market dull; supplies limited; spot, 35s. per lb.; forward 30s., c.i.f.

PATCHOULI—Singapore on the spot is quoted at upwards from 27s. to 30s. per lb.

ROSEMARY.—Spanish is offered at 7s. 6d. to 10s. per lb., as to quantity and quality.

SANDALWOOD.—English-distilled, in limited supply, is quoted at 75s. to 90s. per lb.

TI-TREE.—Quotations are from 8s. to 8s. 6d. per lb., according to quantity.

World Mineral Industries

No. 16—Mercury

THE following table gives principal producing countries of mercury and their output in lb.

PRODUCING COUNTRY	1938	1941	1944
Canada	760	536,304	735,908
Czecho-Slovakia ..	220,000	176,000	(a)
Germany	106,000	68,000	(a)
Italy	5,073,000	6,250,000	1,748,000
Spain	3,145,000	6,505,000	2,610,000
Mexico	647,460	1,758,457	1,080,788
United States ...	1,367,316	3,413,996	2,864,288
China	75,000	264,000	231,000
Japan	55,000	313,000	517,000
Turkey	45,372	18,392	7,372

(a) Information not available.

(*By courtesy of the Imperial Institute.*)

TRADE MARKS

(*From the "Trade Marks Journal," September* 1)

"THERMOPEAT"; by Medicinal Peat Products, Glasgow; B660,318. For medicinal peat paste for human use (5).

"ASMAVYDRIN"; by Lewis Laboratories, Ltd., Leeds; 662,016. For pharmaceutical preparations and substances for the treatment of asthma (5).

"PORRAL"; by Fred Ashcroft, Barrow; 662,283. For dietetic foods (5).

"GENTIOLET"; by Medo-Chemicals, Ltd., London, N.1; 662,573. For pharmaceutical preparations for human use (5).

"MERCIA"; by M. Merica & Co., Ltd., Oldham; 662,920. For menstruation appliances, pharmaceutical preparations for human use, disinfectants and deodorisers (5).

"RENFOS"; by W. J. Rendell, Ltd., London, E.C.1; 663,075. For medicated tablets for human use (5).

"GETS"; by Albert & Henry Basset (London), Ltd., London, W.C.1; B662,064. For razors and razor blades (9).

"NU-WELL" and device of a well (letters "NU" disclaimed); by Nu-Well Optical Co., Ltd., London, E.C.1; 650,605. For spectacle frames, cases and lenses (9).

"NARITA"; by Abel Fernand Jean Neart, Brussels; 657,692. For photographic apparatus and parts thereof. (9).

"KARSPEX"; by Norman Victor Lundie, Southport; B661,729. For optical apparatus and instruments, etc. (9).

"SCINTILLEX"; by Scintillex, Ltd., London, E.4; B660,758. For combs (21).

"NOTAPOULE"; by Hirst, Brooke & Hirst, Ltd., Leeds; 662,733. For small containers of glass for medicaments and for similar merchandise (21).

"MIRROVAC"; by Heppner, Ltd., London, E.C.1; 663,409. For vacuum flasks (21).

"MARVITO"; by Marshall's Proprietaries, Ltd., London, S.E.16; 662,891. For infants' and invalids' foods (5).

(*From the "Trade Marks Journal," September* 8)

"PROTOLYSATE"; by Mead, Johnson & Co., Evansville, U.S.A.; B647,349. For pharmaceutical preparations, infants' and invalids' foods and dietetic foods, all being enzymic hydrolysates of protein (5).

"SNOWCEIL"; by J. E. Williams & Co., Ltd., Partington, nr. Manchester; 660,655. For industrial chemicals (1).

"CONOX"; by Pento Cosmetic, Amsterdam; 653,111. For tooth-paste and non-medicated mouthwash (3).

"LA LANGOUREUSE" and "LA FLORISSANTE"; by Winifred May Waller, Watford; 656,323-24. "BELCANO"; by Belcano Co., Jersey City; 661,921. "DARGY"; by Cooper, Sons & Co., Folkestone; B662,049. "DAWNDEW"; by Harry Ibbetson, Stevenage; 662,060. "SYLPHYDE"; by Charles Brower, Lancing; 662,417. "BANDOLA" and "BANDANA"; by Ashe Laboratories, Ltd., London, S.W.1; 663,026-27. For non-medicated toilet preparations (3).

"VELO-SET"; by the United Turkey Red Co., Ltd., Alexandria, Scotland; 660,043. For hair shampoo (3).

"BATHALENE"; by A. H. Taggett, Ltd., Gerrard's Cross, Bucks; B660,475. For soap (3).

"SOAM"; by Alphonse Henry Kaye, London, W.1; 660,936. For detergents (3).

"MADICRIN"; by Charles Alexander & Co., Ltd., Surbiton; 662,117. For preparations for the treatment of the hair (3).

"PEDIGREE"; by R. J. Hamer & Sons, Ltd., Mitcham; 662,620. For paint-removing preparations (3).

"CONSTABLES FLUORITE HELMET BRAND" and device of helmet (word "Constables" disclaimed); by Constables (Matlock Quarries), Ltd., Matlock; 650,804. For industrial chemicals excluding food preservatives or sweetening materials (1).

"LIKOL"; by Alfred Henry Dimond, Bristol; 650,002. For skin ointments (medicated) (5).

"EFTESY"; by Franses Trading Corporation, Ltd., London, N.W.2; 658,759. For all goods excluding medicated wines (5).

"POLYLAXA"; by Clinical Products, Ltd., Richmond; B660,277. For laxative medicines (5).

"AROBON"; by Nestlés Milk Products, Ltd., London, E.C.3; 661,640. For pharmaceutical preparations, dietetic, infants' and invalids' foods (5).

"PELARGON"; by Nestlés Milk Products, Ltd., London, E.C.3; 662,058. For all goods excluding silver gelatose preparations for pharmaceutical purposes (5).

"HALYCALCYNE"; by the Crookes Laboratories, Ltd., London, N.W.10; 662,846. For pharmaceutical preparations for human and veterinary use, sanitary substances, infants' and invalids' foods, and disinfectants (5).

"NUTRIMAX"; by Marshall's Food Products, Ltd., London, S.E.1; 662,937. For infants' and invalids' foods (5).

"STILBOFAX"; by the Wellcome Foundation, Ltd., London, N.W.1; 661,530. "HEXAVITE"; by E. Griffiths Hughes, Ltd., Salford; 661,805. "GAROIN" and "MECRYL"; by May & Baker, Ltd., Dagenham; 662,954 and 663,564. For all goods (5).

"MEDORMAL"; by British Schering, Ltd., London, W.1; 663,043. "GARGODINE"; by Cedric Stanley Eyre, Lytham St. Annes, Lancs. "PARGLYMIN," "COLBIT," "MITABOL" and "TRYPACRINE"; by Bayer Products, Ltd., London, W.C.2; 663,446, 663,692, 670,106-07. For pharmaceutical preparations and substances (5).

"CINOTA"; by Wallace (Pharmaceutical Products), Ltd., London, N.W.3; 663,578. For tonic medicines (5).

"PERMUTIT"; by the Permutit Co., Ltd., London, W.4; 659,205. For apparatus for the chemical treatment of fluids (9).

"TROPICA"; by Kirk Optical Co., Ltd., London, E.C.1; B660,477. For spectacles, spectacle frames, lenses and cases (9).

"OPTREX"; by Optrex, Ltd., and Optrex (Overseas), Ltd., London, E.C.4; 662,556 and 662,559. For combs and sponges (21).

CODEINE PHENACETIN BAYER ASPIRIN 'CODALGIN'

FOR 3-WAY ATTACK ON PAIN

HIGHLY EFFECTIVE PRODUCT

The composition is balanced to provide maximum relief of pain, without by-effects. 'Codalgin' has gr. 5 Bayer Aspirin, gr. 2½ phenacetin and gr. $\frac{1}{10}$ codeine phosphate.

HANDSOME, CONVENIENT PACK

The blue and white carton catches the eye and the hygienic strips of tablets please customers. This helps sales and brings repeat orders.

13 PACKS
COST...18/7
SELL FOR 28/2
PROFIT 9/7

GOOD PROFIT MARGIN

'Codalgin' sells at 2/2 (inc. P.T.) for 20 tablets and gives a profit of nearly **9d. per packing** in a bonus order (thirteen to the dozen).

★ *ORDER A TRIAL DOZEN NOW*
Display outers and showcards supplied

BAYER PRODUCTS LTD · AFRICA HOUSE · KINGSWAY · LONDON · W.C.2

STANDARD SYNTHETICS LIMITED

Actual distillers of **Essential Oils.**

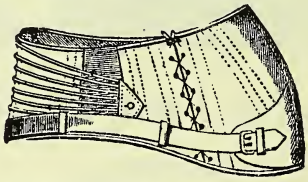
Manufacturers of **Aromatics, Perfume Bases and Flavours.**

We specialise in **Cinnamon Bark Oil, Juniper Berry Oil, Wintergreen Oil, Eucalyptol, French Lavender Oil, Terpeneless Lemon Oil, Rose Perfumes, etc.**

76 Glentham Rd., Barnes
London - - S.W. 13
- Telephone :- Riverside 3616

"Clifton" Brand

SURGICAL APPLIANCES and SUNDRIES
ABDOMINAL BELTS and CORSETS
SUSPENSORY BANDAGES
JOCK STRAPS
ELASTIC HOSIERY
TRUSSES
CHEMISTS SUNDRIES



Prescription Belts a Speciality
To measure in 2 to 3 DAYS

Write for price list :
CHARLES WILLIAMS & Co.
(Propr.: A. G. Price)
STONEY STREET · BEESTON · NOTTS

Manufacturers of **TANNIC ACID** (Bulk Supplies Only)
ALL QUALITIES

THE BRITISH DYEWOOD COMPANY LTD.
19 St. VINCENT PLACE, GLASGOW, C.1
Telephone: CENTRAL 4425 *Telegrams: DYEWOOD*

GLASS TUBES BY THE MILLION

- TUBES FOR PACKING, SAMPLING & TESTING, ETC,
- DROPPERS, STRAIGHT, CURVED BALL POINT, BUTTON POINT, ETC.
- AUTOMATIC MACHINERY ENSURES BEST QUALITY AT BEST PRICE

THE SPECIALISTS T.T. TUBES SOLE MANUFACTURERS
F. COPLEY & CO., BEESTON, NOTTINGHAM

CYANACETIC AND MALONIC ESTERS

These valuable organic intermediates are manufactured by us in commercial quantities. Your enquiries are solicited.

PHARMACEUTICAL LABORATORIES GEIGY LTD.
NATIONAL BUILDINGS, PARSONAGE, MANCHESTER, 3

S.C.2

to save your wrapping problems...

★ KOTEX has decided to continue with the plain box with "tear-off" strip. Simply remove the perforated strip and the plain box is ready for sale.

KOTEX

SANITARY TOWELS
WITH LOOPS

Now 1/10d. per Box (C.P.R.C. Approved)

CELLUCOTTON PRODUCTS LTD., 33/34 AYLMER PARADE, LONDON, N.2.

Immortelle

Essential Oils

Almond . Aniseed . Bay
Cassia . Cedarwood . Clove
Eucalyptus . 70/75 and 80/85
Geranium . Juniperberry
Lavender . Lavender Spike
Lemon . Lemongrass
Orange . Origanum
Pennyroyal . Peppermint
Rosemary . Sassafras . Thyme

Trade Inquiries Invited

"IMMORTELLE"
PERFUME COMPOUNDS

LODGE, ROBIN, LIMITED
Laleham-on-Thames, Middlesex
Tel./Grams: Staines 3698

NOW READY

THE BRITISH PHARMACOPŒIA 1948

★

45s. net

(*Postage 1/2 Inland; 1/7 Abroad 1/10 Continental Europe*)

Published for

THE GENERAL MEDICAL COUNCIL

by

CONSTABLE & CO. LTD.
10 ORANGE STREET
LONDON · W.C.2

"Rod-Antu"

***kills* RATS and MICE**

and can be recommended with every confidence

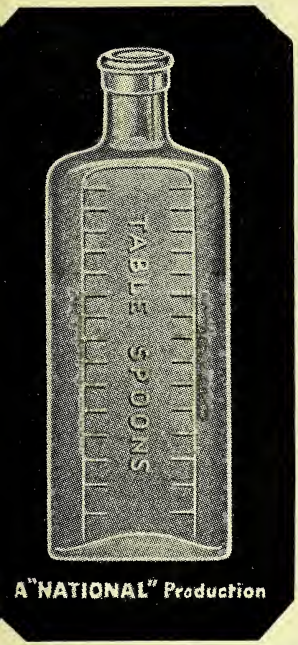
It is the latest developed Rodenticide giving amazing results

2 grains are sufficient to kill a fully grown rat

1/6 and 5/- per tin, subject to 33⅓% discount less and extra 10% on orders of 3 doz. small size or 1 doz. large size

Display material and technical literature available

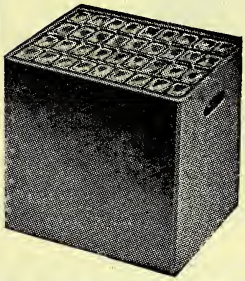
RODMILL CHEMICAL CO. LTD.
49 St. Anne Street, Liverpool 3



"National" Dispensing Bottles

are Strong, Serviceable and Sure-selling

NEATLY PACKED IN 6 DOZEN RETURNABLE CARTONS



★ *CONVENIENT IN SIZE*
★ *EASY TO HANDLE*
★ *UNIFORM IN QUALITY*

SCREW CAPS SUPPLIED IN WHITE-ENAMELLED METAL

Vials

of "NATIONAL" quality

Ranging in size ½ oz. up to 3 oz.
Plain or teaspoon graduations
Medium and tall types.

MANUFACTURED IN BEST QUALITY WHITE FLINT, AND PACKED IN RETURNABLE CARTONS

TRADE (N) MARK

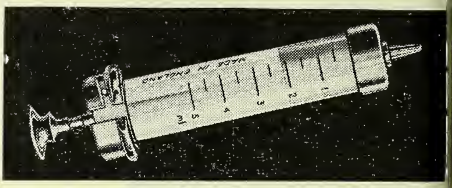
National Glass Works (York) Ltd.

Works: FISHERGATE, YORK **London Office: 105 HATTON GARDEN, E.C.1**
Telephone: York 3021 **Telephone: Holborn 2146**

WHOLESALE ONLY

BOTTLED
HYDROGEN PEROXIDE
HOME AND EXPORT
LIQUOR HYDROGENII PEROXIDI
Genoxide
LIMITED
LUTON, ENGLAND.

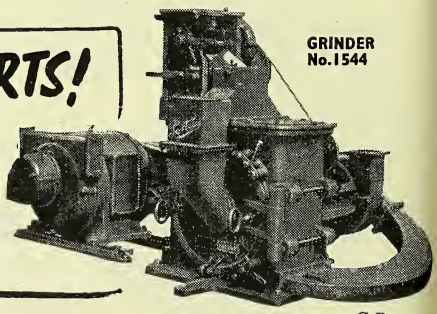
Kaycee



HYPODERMIC SYRINGES
WHOLESALE AND EXPORT ONLY
Illustrated Folder and Price List on application
★
Manufactured by
KENNETH CASTIGLIONE LTD.
Quadrant Works, Manor Park Crescent, Edgware
Middlesex, England. Tel. : EDGware 1636
★
ALL EXPORT ENQUIRIES TO :
KAYCEE HYPODERMIC SYRINGES LTD.
Quadrant Works, Manor Park Crescent, Edgware
Middlesex, England. Tel.: EDGware 1636
Cables: KAYCEE, EDGWARE, ENGLAND

BURNSIDE'S EUCALYPTUS OILS
Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils in the world.—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA
80/85% B.P. | 70/75% B.P.
Oil Euc. Dives 40/45% | Piperitone 90/95%
Oil Euc. Citriodora | Oil Euc. Phellandra
.... Phellandrene ....
UNIFORMITY OF QUALITY . CONSISTENCY OF ODOUR
Agents for U.K.: WILSON & MANSFIELD, LTD., 15 Philpot LANE, LONDON, E.C.3
Phone : MANSION HOUSE 9264-5-6 (WHOLESALE ONLY) *Grams : WYFIELD, LONDON*

CALL IN THE EXPERTS!
The best way to ensure satisfaction in grinding is to call in the experts—Porteus. Not only do they know what exactly is required, but they can and do invariably advise on the best type for the job in hand. Lengthy experience in design and construction is at your service—why not write now?
GEORGE PORTEUS & Sons (Leeds) Ltd.
LEEDS BRIDGE WORKS, LEEDS 10


GRINDER No.1544

IMPORTANT ANNOUNCEMENT

To all users of GUM TRAGACANTH

• GROUND BY A SPECIAL PROCESS TO ENSURE CONTROLLED TENUITY • VISCOSITY ESTABLISHED UNDER EXPERT SUPERVISION • TESTED AT EVERY STAGE OF PROCESSING • GRADED TO A SERIES OF PRE-DETERMINED STANDARDS • PACKED IN AIRTIGHT TINS

The commercial applications of Gum Tragacanth have, in the past, been attended by problems arising whenever the characteristics of an ingredient are not stable. Now—these problems have been solved by the marketing of RED CARNATION Brand Gum Tragacanth. Whenever you order RED CARNATION Brand Gum Tragacanth, you know you will be receiving Gum Tragacanth stabilised as regards viscosity, colour and fineness of powder, and, you are certain that the Gum Tragacanth you receive is fresh.

Red Carnation BRAND

POWDERED

GUM TRAGACANTH

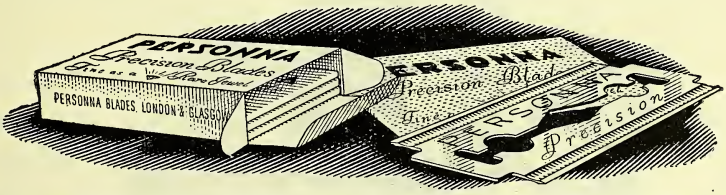
KIMPTON BROS. LTD.

(Established 1882)

Dept. C.D.2, 110 Fenchurch St., London, E.C.3. Phone: ROYal 5544 (4 lines)

World's Finest Razor Blade

formerly 6d. retail — now only 3d. each!



Sensational news! The world's finest razor blade—Personna Precision—is now *halved* in price! Yet quality is not in any way affected. Increased production and simpler packing have cut costs, and we are pleased to pass on these economies to the public, thus leading the national drive for lower prices. These perfect blades, formerly retailed at 6d. each, are now reduced to only 3d.! The name Personna is not new to the public. It has carried a regular advertising campaign over the past 15 months. Now, to launch Personna at the new price, this campaign has been greatly increased on a nation-wide scale.

The demand for Personna precision blades will be immediate and ever-increasing.

STOCK UP NOW! *Retail Price* **1/3d.** per packet of 5 blades (*including tax*)

PERSONNA *Fine as a rare jewel*

PRECISION BLADES

GRAESSER SALICYLATES
LIMITED
Manufacturers of Fine Chemicals
SANDYCROFT
CHESTER, ENGLAND

PHENYL SALICYLATE
B.P.C.

(SALOL)

Available in the form of Crystalline Powder for which we invite your enquiries

BARNETT FOR BOTTLES

★ BE READY for the New HEALTH ACT

We can now offer from stock:

MEDICALS, VIALS AND BOTTLES FOR EVERY TRADE *IN ALL SIZES*

We welcome enquiries from both old and new customers.

JACK L. BARNETT LTD.
12 MEADOW LANE - LEEDS, 11
Phone: 28004/5 Grams: "Jackelbee," Leeds
Code: Bentley's Second
Also at Manchester and Glasgow

display

When Tampax is displayed, women have no need to ask if you stock it. That saves embarrassment. And results prove that it steps up sales, too. There's a wide range of Tampax display units for every purpose. Send details of your requirements to: Sales Office, 110 Jermyn Street, London, S.W.1.

SANITARY PROTECTION WORN INTERNALLY TAMPAX

SURGICAL DRESSINGS

LEXANDER CARUS & SONS LTD.

ddlesden Mills, Darwen, Lancs.

London Office : 41-47 Leswin Road, N.16

FACTORIES AT HODDLESDEN, DARWEN, BLACKBURN, ROCHDALE

FINE & PHARMACEUTICAL CHEMICALS

BROMISOVALERYLUREA

BARBITONE **CYCLOBARBITONE**

PHENOBARBITONE and SODIUM SALTS **CYCLOBARBITONE CALCIUM**

HEXOBARBITONE

BROMIDES

CAFFEINE AND SALTS **SUCCINATES**

VALERIANATES

A P L

AMBER PHARMACEUTICALS LIMITED

BYRON HOUSE, 7-9 ST. JAMES'S ST., LONDON, S.W.1

CABLES : PINEROUS, PHONE LONDON

A P L

BRAZILIAN and CHINESE

MENTHOL

CRYSTALS

REFINED CHINESE

CAMPHOR

TABLETS ¼oz. and ⅛oz.
SLABS and POWDER

GUMS, SHELLAC, WAXES, DRUGS, CHEMICALS

ERNEST M. SINGER
5 WHITTINGTON AVE., E.C.3
Telephone: MAN. 6040-6666
IMPORT — EXPORT

FOR
BARKS
ROOTS
HERBS & GUMS

WHOLE
CUT
or POWDERED

TRY—

BROME & SCHIMMER

WHOLESALE DRUGGISTS
BOTANICAL DRUG IMPORTERS
AND SPICE MERCHANTS

7 LEATHER MARKET, LONDON, S.E.1

Tel: HOP 0825-6-7 Cables: Bomshim, London
Telegrams: Bomshim, Sedist, London

Specialists in Crude Drugs

Aspirin B.P., Phenacetin B.P., Calcium Gluconate B.P., Benzoic Acid, Cassein Alkaloid B.P., Theobromine Alkaloid B.P.C., Salycylic Acid B.P. and Phenazone B.P. offered in substantial quantities.
APPLY:—BOX NO. 3/680

RUPERTO BUSTO,
Paris, 143, Barcelona, Spain.
EXPORTS: Chemicals, Botanicals, Essential Oils and Dried Fruits.
IMPORTS: Chemicals, Drugs, Spices
Agent:—M. I. FISCHLER, 24 LIME STREET, E.C.3

GLYCERYL MONOSTEARATE
Guaranteed Food and Drugs Quality

REGULAR SUPPLIES AVAILABLE
Samples and quotations upon request

The Faylene Manufacturing Company
15 Queens Court, Lower Briggate, Leeds 1
Telephone 22594

JKL

AGAR AGAR
ALOES
ANGELICA ROOT
BALSAMS
BELLADONNA
CAMPHOR POWDER and TABLETS
CINCHONA BARK
COLCHICUM SEED
DANDELION ROOT
KOLA NUTS
LIQUORICE ROOT and JUICE
and all other Botanicals

JOHN KELLYS (LONDON) LTD.
24 OLD BROAD STREET, LONDON, E.C.2
Telephone: LONdon Wall 4882, 6585, 6586
Telegrams: "Ergotine, Stock, London."

ESSENTIAL OILS

LAVENDER
SPIKE LAVENDER
LEMON & LIME
ORANGE & ANISEED
PEPPERMINT
MENTHOL CRYSTALS
BERGAMOT ARTIFICIAL
CITRONELLA
LEMONGRASS
EUCALYPTUS
PATCHOULI

PERFUME COMPOUNDS

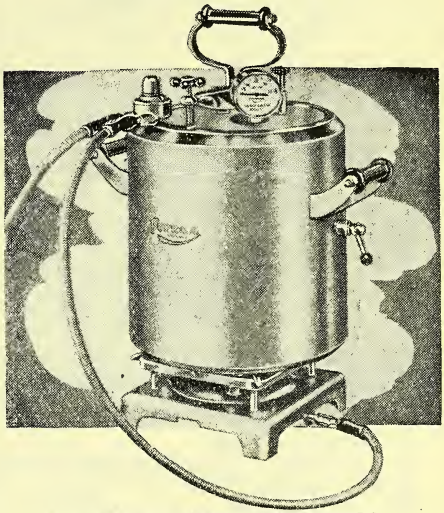
Produced against specific requirements.
Samples matched.
Raw Materials suitably Perfumed.

Samples and details on request

A. G. HERSOM
142a CANBURY PARK ROAD, KINGSTON-UPON-THAMES
Tel.: Kingston 8911 *Grams.: Hersom, Phone, London*

PENTECON · PENTECON · PENTECON · PENTECON

the advantages of the
PENTECON
Autoclave



THERMOSTATIC CONTROL

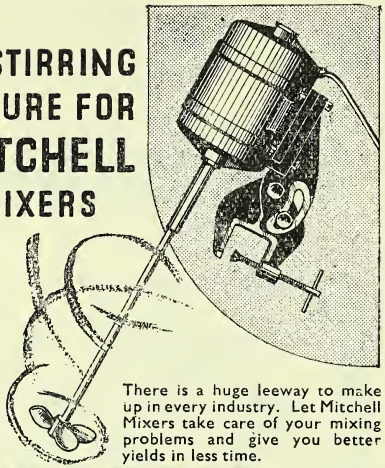
The thermostat, independent of the pressure factor, is the most accurate means of obtaining a consistent temperature. Designed for use over a gas ring or portable burner, it is constantly in control, after initial adjustment to suit the requirements.

Made from a special formula aluminium, the 'Pentecon' is light and handy to move about. The lid design provides a steam-tight joint, which cannot be opened under pressure.
To use saturated steam, allowing operation at lower pressure in relation to temperature, an Air Blow-off Valve is fitted. A Pressure Regulator Valve whistles when the required temperature is reached.
The temperature of a liquid in an open vessel within the 'Pentecon' can be checked by previously inserting a chemical thermometer through a gland in the lid.
CAPACITY—11" x 10½". Contents approx. 26 pints or seven 20 oz., or M.R.C. Standard Blood Bottles.
The 'Pentecon' is economical in price and operating costs. Price (excluding gas ring and flexible tubing, which are not supplied) £16.16.0

A fully descriptive leaflet will be sent, post free, on request to Dept. 3, Pentecon, Ltd., Accrington. Please mention the name and address of your normal supplier.

PENTECON LTD. ACCRINGTON

A STIRRING FUTURE FOR MITCHELL MIXERS



There is a huge leeway to make up in every industry. Let Mitchell Mixers take care of your mixing problems and give you better yields in less time.

MITCHELL

RAPID MIXING & STIRRING UNITS

MX7

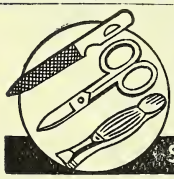
L. A. MITCHELL LIMITED
37, PETER STREET, MANCHESTER, 2.
Telephone: BLAckfriars 7224 (3 lines)

ENESS
SOFTER *than* SILK
SANITARY TOWELS

• • •

All Enquiries to:

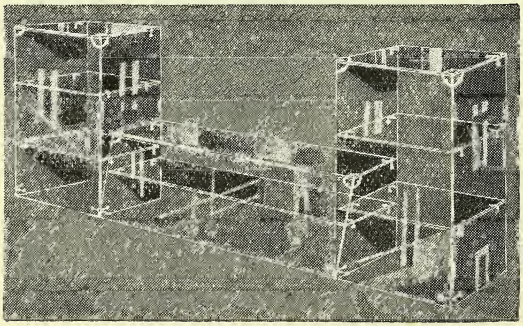
MORRISONS & RALPH LTD.
ENESS FACTORY, GLEN STREET,
BARRHEAD, RENFREWSHIRE



Surgical & Manicure Specialists Ltd
SHEFFIELD 3: ENGLAND
We manufacture all kinds of:-
SCISSORS · TWEEZERS · FORCEPS · NAIL & MANICURE FILES

In Stainless Steel—Nickel Plated and Chromium over Nickel

Our order books are full for some time ahead, and immediate deliveries cannot be promised. We shall, however, welcome your enquiries for forward deliveries. *(WHOLESALE ONLY SUPPLIED)*



Show well with

GUPWELL
DISPLAYTHINGS

Frameless Glass Cases. Can be used as separate units if desired. Upright Cases, 24" high x 18" wide x 12" deep. Centre Unit with sloping front 36" long x 14½" high x 12" deep. Other sizes to order. Write for complete catalogue.

A. J. GUPWELL (Shopfitters), LTD., 54 Bradford Street, Birmingham, 5.

OPTREX
PRODUCTS

OPTREX: A scientific eye lotion, sterile, and carefully balanced in its ingredients, which is produced under conditions of clinical asepsis. Approved by doctors, oculists and opticians; can safely be used for all eyes, of all ages, at all times.

FAMEL SYRUP: For coughs, colds, influenza and bronchial troubles. Gets to the root of the cough because it contains soluble Lacto-creosote, which goes to the lungs and breathing passages and there destroys the germs.

★ **OPTULLE:** An open-mesh, sterile, non-adherent dressing, impregnated with a special petroleum compound. Mildly antiseptic and non-irritant. Greatly facilitates dressing and re-dressing of burns, septic wounds, indolent wounds, sloughs, varicose ulcers and fractures. Packed in tins, containing 24 pieces, also in continuous strips 5 yards long by 8 inches wide.

★ **SULPHONA-TULLE:** Of outstanding value for treatment of burns, and in other cases where sulphanilamide is indicated. An open-mesh dressing impregnated with an emulsion containing 10% Sulphanilamide. Supplied in a small light compact case. In continuous strips, 5 yards by 3½ inches, ready for instant use.

★ **SULPHONA-CREAM:** Sulphona-Cream is supplied in tubes. It can be used as an ointment or applied on a sterile spatula direct to a diseased or injured area, or spread on gauze, linen or oiled silk.

★ *Sole Distributors for Optulle, Sulphona-Tulle and Sulphona-Cream:*

CHAS. F. THACKRAY LTD., THE OLD MEDICAL SCHOOL PARK STREET, LEEDS, and 38 Welbeck Street, London, W.1

All these products are manufactured by:

PERIVALE **OPTREX Ltd.** MIDDLESEX

Toilcel REGD.
SOLUBLE TOWELS
SOFT GAUZE COVERING WITH LOOPS

HYGIENIC
HIGHLY ABSORBENT
BEAUTIFULLY SOFT
ECONOMICAL

M. MERICA & CO. LTD.
QUEENS MILL
20 SHAW ROAD, OLDHAM, LANCS.
TELEPHONE : MAIN 5803

STOCK
VELVEX
The toilet tissue that housewives ask for by name
• IN HANDY PACKETS OR ROLLS
VELVET CREPE PAPER CO. LTD. C.R.C.
TOILET TISSUE
VELVET CREPE PAPER CO. LTD

C·R·S NEED
5 EXTRA EMPTY CONTAINERS!

If every trader on whom the C.R.S calls made a special effort to add five more empty containers to his stack, the weekly collection would get very near the **million-and-a-half mark,** which is what we need to keep pace with national demands.

* *To date C.R.S have collected over 300,000,000 empty containers, saving the nation many hundred thousand tons of coal, wood-pulp, timber and other vital raw materials.* ***Five extra empty containers from every trader*** *will enable us to hit this year's target.*

Container Recovery Service
S.P.D Limited, Unilever House, Blackfriars, London, E.C.4

CRS 55A-683-80

FOR THE INFORMATION OF PHARMACISTS

THIS ANNOUNCEMENT IS NOW APPEARING IN LEADING MEDICAL AND NURSING JOURNALS

INSOMNIA?

Persomnia *indicated!*

NON-TOXIC NON-CUMULATIVE

A NEW NON-TOXIC SEDATIVE & HYPNOTIC

While both Carbromal and Bromisovalerylurea, because of their low toxicity, have—*separately*—for many years been used, the application of their *combination* is the result of recent research.

Extensive clinical experience has demonstrated that a remarkable synergistic enhancement of effect is attained when the two drugs are administered in combination, without affecting their inherent non-toxic properties.

Both substances are physiologically harmless, open-chain ureides, and bear only a remote chemical relationship to the barbiturates (cyclic ureides) and are entirely without the habit-forming and other clinically undesirable side effects characteristic of the barbiturate group.

ADVANTAGES:

- *Safety in use*
- *Not habit-forming*
- *No after-effects or secondary reactions*
- *No bromism*
- *No cumulative action!*
- *Rapid absorption*
- *No effect upon the normal circulation*
- *The sedative of choice for children*

PERSOMNIA induces quiet sleep without preliminary excitement, in less than half an hour of ingestion. The effect lasts from 4-5 hours and is usually followed by natural sleep.

INDICATIONS:

Insomnia caused by functional nervous disorders, mental stress, fatigue, worry (less effective in insomnia due to pain), neurosis, neurasthenia, anxiety states both in children and adults.

In cases of whooping cough in children, Persomnia has proved very useful when administered in conjunction with an antispasmodic.

Further particulars and free clinical samples will be gladly sent on application to:

CLINICAL PRODUCTS LIMITED
RICHMOND, SURREY

C.P.L

PRICE:

PERSOMNIA TABLETS

2/6 and 5/-

(including Purchase Tax)

Medical Brochures describing this preparation in detail will be gladly sent to Ms.P.S. on application to:

Medical Department
CLINICAL PRODUCTS LIMITED
Richmond, Surrey, England

For the usual attractive C.P.L. discounts and terms apply SOLE DISTRIBUTORS:

ENGLAND AND WALES
S. MAW, SON & SONS, LTD.
ALDERSGATE HOUSE,
NEW BARNET, HERTS.

SCOTLAND
MOORE MEDICINAL PRODUCTS LTD.
1 QUEENS TERRACE ABERDEEN

C.P.L

AN ALL COTTON WOOL PRODUCT OF REPUTE

Consoluxe
(Registered) Patent No. 410702

SUPERFINE QUALITY
ALL WOOL SANITARY TOWELS

LOOPED ENDS
NON-ABSORBENT BACK

WHOLESALE ONLY

ROBERT BAILEY & SON, LTD.
SURGICAL DRESSING MANUFACTURERS
DYSART STREET, GREAT MOOR, STOCKPORT
Phone: GREAT MOOR 3006 Grams: "UNDISPUTED," STOCKPORT

ZEAL

Clinicals

The Choice of Experts

BRITISH MADE

NO HIGHER IN PRICE THAN NONDESCRIPT MAKES

Also Household, Bath and Works Thermometers, the best of their kind

G.H. ZEAL LTD.
LOMBARD RD., MORDEN RD., LONDON, S.W.19
Phone: Liberty 2283-4-5

NEVER AGAIN
will combs be as cheap as these.

9 in. Black and White and assorted coloured Dressing Combs 7/4 dozen
8 in. Black and White and assorted coloured Dressing Combs 4/- dozen
7 in. Black and White and assorted coloured Dressing Combs 2/- dozen
7½ in. Tail combs various colours 1/6 dozen
7 in. Barber type various colours 3/- dozen
7 in. Barber type Black seconds 2/- dozen
5 in. Pocket type various colours 2/- dozen
4 in. Dust Combs various colours 4/- dozen
5 in. Baby combs Pink and White 4/8 dozen
5 in. Clip Combs shell 3/8 dozen

All prices inclusive of Purchase Tax.

L. FRANKENBERG LTD.
37 HOUNDSDITCH, LONDON, E.C.3
Send for 34 Page List
YOUR ENQUIRIES WELCOMED

Wholesale only supplied

SOFT
SOFTER

SOFTEX
Inter-leaved
TOILET TISSUE

Extra thin, pure strong quality
Softex Toilet ROLLS also available
Awarded the Certificate of the Royal Institute of Public Health and Hygiene.

SMT 10

A SWAN MILL PRODUCT, LONDON, W.1

REGISTERED TRADE MARK
SAMCO
BRITISH MADE

FLAT AND ROUND BOTTOM GLASS TUBES

FOR HOME AND EXPORT TRADE

Due to the recent installation of additional machinery in our factories, we are pleased to announce that we can now offer quick deliveries of all sizes at competitive prices.

SPECIAL PRICES QUOTED FOR CONTRACT ORDERS

Your enquiries will have our prompt attention.

S. MURRAY & CO. LTD.

Actual Manufacturers

45 ST. PANCRAS WAY, N.W.1

Telephones: Euston 1757 & 5514

Telegrams: Depressors Norwest London

THE

"NIPPER"

Series of eight products prepared with especial care for children

EXCELLENT FORMULÆ
PLEASING PACKAGE
EXTRA LARGE PROFIT

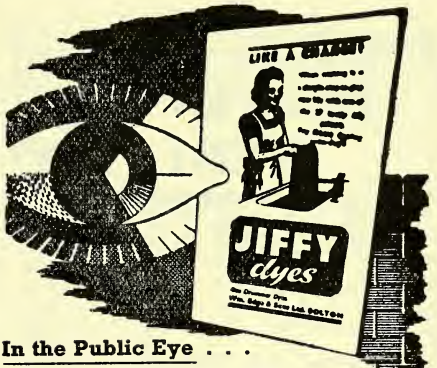
Syrup of Figs—Zinc & Castor Oil—Nursery Pdr.–Glycerine, Lemon & Honey—Petroleum Jelly—Cough Mixture—Cream of Magnesia—Gripe Mixture

Ask our Representative to call

WICK INDUSTRIES CO.

256, Wick Road, London, E.9

Manufacturers of "WICK" Brand of DDT Flycards, Powder and Liquid.



In the Public Eye . . .

We have continued to support the retailer by keeping JIFFY DYES always in the public eye. Now that supplies are growing better each day the value of firmly upholding "goodwill" must inevitably show itself. It pays to stock "goodwill" lines.

JIFFY DYES

Also DRUMMER DYES

Made by Wm. EDGE & SONS LTD. - BOLTON

Sorbo
REGD. TRADE MARK
THE ORIGINAL SPONGE RUBBER
MEDICAL SUPPLIES
WILL
HELP YOUR TRADE
HOSPITAL RINGS
RUBBER SHEETING
SPONGE RUBBER
SUPPORTS, ETC...
SORBO LTD WOKING SURREY
Phone WOKING 960 Grams WOKING SURREY

FEMEX SAN. TOWELS
PRICES REDUCED

Femex No. 1	18/-	2/-
Femex No. 2	22/6	2/6
Femex No. 3	27/-	3/-
Maternity	27/-	3/-
Soluble No. 1	15/9	1/9

High Quality unchanged
IMMEDIATE DELIVERY
WILFRED STRETCH & Co. Ltd.
UNION WORKS, CASTLETON, ROCHDALE

The BUK'S head means business

Each of BUK's 5 self-sharpening blades has 60 cutting edges, so with every complete movement of the vibrator, 300 separate cutters get busy on your beard BUK's head gently presses down your skin, which is shielded by a wafer-thin metal guard from the cutter, ensuring a close, clean shave without any pulling or 'burning'. Electric dry-shaving is a wonderful saving of time and trouble, and we believe a trial with BUK will convince your customers for life.
The BUK is specially recommended for nervous, disabled or bedridden patients.

BUK Electric Dry Shaver

GUY, MORRISON & CO. LTD., 3 Bayley Street, Bedford Square, W.C.1. Museum 8744 (4 lines)

"BEAVERPUF"
We are now able to supply IMMEDIATELY
Send Enquiries to:
FRANK MOUSLEY
Wilderness Works
Derby Rd., London, S.W.14 Prospect 4547

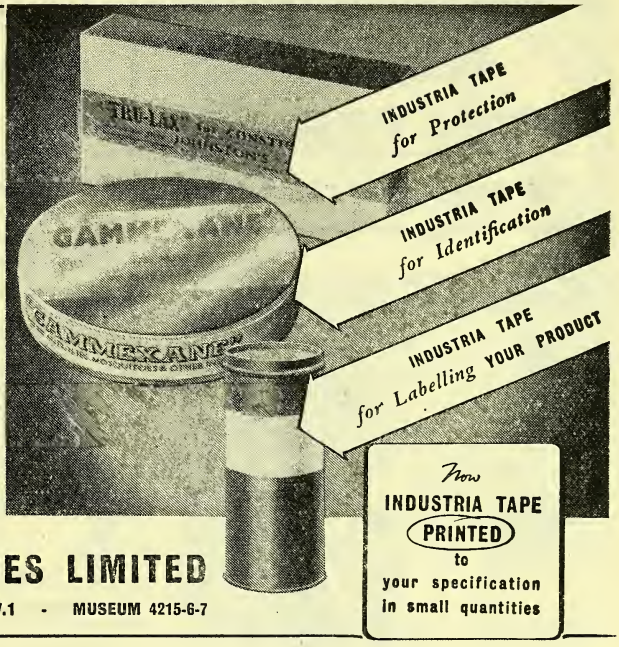
CORKS!
STOPPERS, ETC.
C. OLLEY & SONS LTD
CAMPERDOWN STREET
LONDON, E.1
EST. 1844

Industria Self Adhesive Tape can now be printed to your specification in small quantities. Write to-day for technical advice and sample materials.

★

Available in Cloth or Cellulose

★



INDUSTRIAL TAPES LIMITED

92-94 NEWMAN STREET, LONDON, W.1 - MUSEUM 4215-6-7

14 *Raithbone*

PROMOL JUNIOR MOTH RINGS

NOW CONTAIN DEADLY DDT *(Geigy)*

Twice as efficient — twice as saleable at 8 Rings for 4d.

Attractive red, white and blue display carton.

Enquiries invited.

PROMEDICO PRODUCTS LTD., 21/22 Turle Road, London, N.4

Tintex

THE WORLD'S LARGEST-SELLING **HOME DYE**

CHEMISTS' AGENTS :—
Thos. Christy & Co., Ltd.
Farnham, Surrey

KENYA PYRETHRUM

for your Insecticide

Swift

Safe

Certain

You are invited to consult the European Agents

MITCHELL COTTS AND COMPANY LTD

WINCHESTER HOUSE, OLD BROAD ST, LONDON E.C.2

Representing the Kenya Farmers Association (Co-op) Ltd. Agents under the Sale of Pyrethrum Ordinance.

More than **1,000,000** *packets sold* **EVERY YEAR**

Stock and display "Scram," the clean non-poisonous method of getting rid of mice. Constant national advertising, and a nation-wide demand; selling at 1/- per packet. 3 doz. display box 25/6.

SCRAM

THE CLEAN METHOD

SCRAM PRODUCTS LTD., (C.D.)
Dartmouth Park Hill, N.W.5

HARVEY'S
Horse Remedies
P.A.T.A. Protected Prices
Supplies can be obtained through all Wholesale Houses
HARVEY & CO. (DUBLIN) **LTD.,** DUBLIN

PERCENTA THE CONTAINER PEOPLE

Containers of Metal Glass, Aluminium and Plastic

(PERCENTA LTD.) **Tel: Hop 0516 (6 lines)**
Percenta House, 130/2 Tooley Street, London, S.E.1.

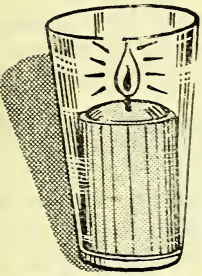
2D DYANESE 3D
FADELESS DYES

STOCKING (except Black). **16/- gross**
CURTAIN & COLD WATER, 24/- gross
(including Black Stocking)

Please order from our Sole Agents

Gt. Britain—W. B. Cartwright, Ltd., Rawdon, **Leeds**
N. Ireland—T. McMullan & Co. Ltd., 42, Victoria Street, **Belfast**
Eire—May Roberts (Ireland) Ltd., Grand Canal Quay, **Dublin, C.6**

Lasts Record Time!



Ideal for the Nursery or Sickroom, or for use in any emergency.

Size 2½" high, 2" diameter. Burns approx. 50 hours. Prices and terms on request.

OTARK
LONG-BURNING
NIGHT-LIGHT

50 HOURS

OTARK POLISH CO., LTD.,
97 Duncombe Road, N.19 (*Archway* 2496)

FOR DESTROYING RATS and MICE
HALLER'S EXTRACT OF SQUILL
is always in demand as it is a standard product, controlled by Bio-assay tests.

For the destruction of Beetles, Cockroaches, Crickets, etc., USE

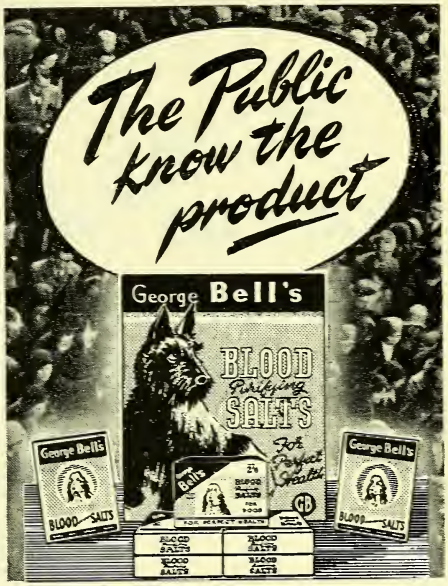
"DANZO BEETLE POWDER"

"CADOG"

Parasiticide and Insecticide in liquid form destroys all kinds of noxious insects:—
Bugs, Lice, Fleas, Moths, etc.

Address all enquiries for preparations for the destruction of Domestic Pests to:—

HALLER LABORATORIES, LIMITED
325, BOROUGH HIGH STREET, LONDON, S.E.1



Remind them to buy by displaying

GEORGE BELL'S

Blood Salts

Give George Bell's Blood Salts, for dogs, window and counter display and link up with the extensive advertising campaign.

This will mean more sales and profits for you. The packs make good displays, but if you require further display material, please write:—

BELL & SONS, LTD.,
18, SILVERDALE WORKS,
LIVERPOOL, 13

S.C.P. 9

Don't be floored by shortage of boxes

AND SOLVE YOUR PACKAGING PROBLEMS

We have provided manufacturers in every part of the country with an efficient box-making service for over half-a-century. This experience, plus the advantages of the most modern machines, is at your command today. Incidentally, we have spare capacity just now for making rigid and folding wire-stitched cartons, also small-size round boxes with beaded edges.

M. PETRUSHKIN LTD.

183, BOW ROAD, LONDON E.3

ADVANCE 3131

DAYDENT

Reg. Trade Mark

THE DENTAL POWDER

For instantly cleaning and polishing all types of . . .

DENTAL PLATES

Immersion overnight is NOT required

Retail Price Bottle of 4 ozs. 2/6 *Inc. P.T.*

Cost to Retailer 16/- per dozen

(Exclusive of Purchase Tax)

Special Discount to Wholesalers

Head Office and Laboratories :

77 NOTTING HILL GATE, LONDON · W.11

Telephone: PARK 6474-5

a topical HEAD line!

The PUCK cap sells equally well *all* the year round, as a swim-cap outdoors, as a bath-cap or dust-cap indoors. Don't let your stock get too low. Caps are in individual packs with window showing the colour. Supplied in outers containing 4 doz. assorted—red, yellow, pale blue and white only. Retail price in U.K., 1/6 inc. tax.

Puck SWIM CAP DUST CAP BATH CAP

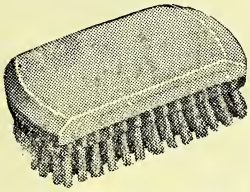
GROVEWELL LTD.

656 Forest Road, Walthamstow, London, E.17

Wholesale only supplied

New Neolite Models

NEOLITE



Neolite Gent's Hairbrush

A man's brush of distinction in ivory finish. A style appealing strongly to all ages. Retail, inc. tax, plain top, 18/4. Fluted top, 22/11.

Neolite Bath Brush

A fascinating and graceful new design. The long handle is specially curved for added ease in use. The head can be detached to serve a dual purpose. A beautiful accessory for the modern bathroom. Retail 19/3 inc. tax.

Available in the following shades

Crystal with Opal, Pink, Cream, Yellow, Green, Blue, Peach, Turquoise, Amber, Ruby Red, Black, also clear designs.

UNIVERSAL BRUSH CO. LTD. LUTON

Northern Ireland Agents and Distributors :
Jay-Bee Products (Belfast) Ltd., 7/13 Fleming Street, Belfast

P.A.T.A.

ASTHMA and RYBARVIN

low that inhalation therapy is an accepted and welcome method f treatment in asthma ever increasing numbers of medical men re relying on Rybarvin Inhalant to combat bronchospasm.

ybarvin brings relief. Consistently, often spectacularly, attacks re cut short and their frequency lessened. Free from excess cid, non-irritant and non habit-forming it is an ideal inhalant or all asthmatics young and old.

YBAR INHALER has been specially designed for aerosol therapy and s such is also used extensively for **PENICILLIN** inhalation.

RYBAR INHALER - **18/6**

(FACE MASK 5/6 EXTRA)

DUAL PURPOSE MODEL **27/6**

RYBARVIN INHALANT ½-oz. **7/6**d; 1-oz. **13/6**d; 4-oz. **51/-**

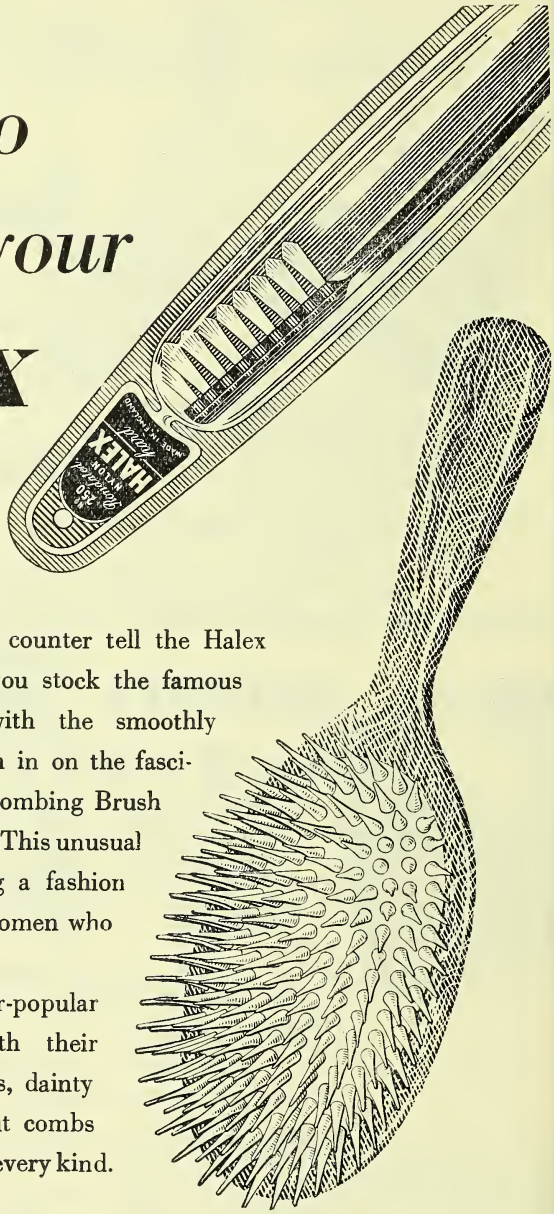
(Exempt from Purchase Tax)

Subject to 33⅓% *trade discount and bonus terms.*

RYBAR LABORATORIES LTD.

TANKERTON KENT

It pays to display your ***HALEX*** *goods!*



Let your window and your counter tell the Halex story. Show people that you stock the famous *Rondated* toothbrushes with the smoothly tipped nylon strands. Cash in on the fascinating look of the Halex Combing Brush with its flexible plastic quills. This unusual instrument is fast becoming a fashion as well as a favourite with women who take a pride in their hair.

Then there are the ever-popular pneumatic hairbrushes with their firm but springy nylon tufts, dainty baby sets, toilet sets, saw-cut combs and colourful fancy goods of every kind.

HALEX LIMITED, HALE END, LONDON, E.4

RONDATED is a registered trade name of Halex Limited.

here's the clever new bandbox pack

cream shampoo at 6d

(and a very generous one-shampoo at that)

Although only just launched, it's already setting a new fashion in home-shampooing. What an immense new market, indeed, is opened up by **bandbox** *cream shampoo at 6d.*

Please send for full particulars. Your price 40/- per gross plus purchase tax.

ASHE LABORATORIES LTD · 120-2 VICTORIA STREET, LONDON, S.W.1 · *TEL:* VICtoria 6781-6

CHEMISTS' CF FORMULA

"ZEMS"

HERBAL LICORICE TABLETS

THE BEST MEDICATED TABLETS FOR COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.

Supplies may be obtained from C.F. Wholesale Houses.

ZEMS LTD.

718-724 Seven Sisters Road, London, N.15

APOLLO

STICK LIQUORICE JUICE

THIS WELL-KNOWN BRAND is now again in good supply

Guaranteed Pure Extract of the Finest Liquorice Root

We shall be glad to hear from all our old customers and welcome new ones

Made in One Size Only

2 oz. DIVIDED

Packed in 4 lb. Cartons. 1 cwt. Cases

Made and Sold by the Largest Liquorice Manufacturers:

MACANDREWS & FORBES Ltd.

16 CAXTON STREET, LONDON, S.W.1

The HOUSE of HAYWOOD
Est. 1830
MANUFACTURERS & DISTRIBUTORS
EVERYTHING SURGICAL
ELASTIC HOSIERY, BELTS & TRUSSES
CHEMISTS SUNDRIES, COTTON DRESSINGS
PROPRIETARY MEDICINES
VAN DELIVERY SERVICE
Enquiries invited
WHOLESALE ONLY

Members of the
*N.U.M. and C.F.
*Wholesale P.A.T.A.
Distributors

Regd. Office & Works:—
11, 13 & 23, WARSER GATE,
NOTTINGHAM.
'Phone: 40488 and 45164
'Grams: APPLIANCE NOTTM.

New Va£ues . . .

In response to the national call for a lowering of living costs, we are pleased to announce a reduction in price of all our well-known lines, to be effective on and after May 3rd, 1948. We have always aimed to supply the finest possible product at a price which is competitive, and in making this announcement of our reduced prices, we would stress that the quality of St. Andrew Mills productions remains as high as ever. Amended price lists showing purchase tax and profit margins will be sent willingly on request.

St. Andrew Mills reduce prices

ANDREX 1/0½D. PER ROLL	ANDROL 1/1½D. PER ROLL	STANEX 1/- PER ROLL
MARVO 9½D. PER ROLL	SAMARITAN 8D. PER ROLL	ANDREX PAPER KITCHEN TOWELS 1/9D. PER ROLL

★ *All above prices are retail and include purchase tax.*

WHOLESALE ONLY

ST. ANDREW MILLS LTD.

WALTHAMSTOW, E.17 *Tel : Larkswood* 1014·5·6

We regret that demands still exceed available supplies

SUPREME BRANNAN ACCURACY

WARD "C"

THERMOMETERS
Clinical · Household · Industrial · etc

MADE IN ENGLAND BY S. BRANNAN & SONS LTD. London & Cumberland

'ACRIBES' Regd. Trade Mark

EXPORT BRANCH LYALL WILLIS & CO. LTD. 52, BAKER ST. LONDON, W.1

It's no gamble to stock TOWN TALK

the Silver Polish which ensures regular customers, to whom your other wares will also appeal

ORDER DIRECT OR FROM

MANCHESTER: D. Mawdsley & Co. James Woolley Sons & Co., Ltd.
LEEDS: Goodalls (Leeds), Ltd.
LEICESTER: E. H. Butler & Son.
NEWCASTLE-ON-TYNE Wilkinson & Simpson Ltd.
LONDON: Brooks & Warburton, Ltd. May, Roberts & Co. Ltd. Butler & Crispe.
LIVERPOOL Ayrton, Saunders & Co. Ltd.

THE TOWN TALK POLISH CO. Manchester, 10

A DELICATE SUBJECT — FOR DELICATE SKINS

The TOTTY-POT

Rubber Ringed for Cushion Comfort

Trade Mark "Totty Pot" Patent-applied for

A NON-CORROSIVE ACID-PROOF HYGIENIC CHILD'S CHAMBER

Detachable ring, easily removed for cleaning purposes

Made of Aluminium

ANODISED IN SOFT PASTEL SHADE

SOLE MANUFACTURERS
J. BILLIG & SONS LTD., ESTABLISHED 1899
BILTIN WORKS, FONTHILL RD. LONDON N.4.
TELEPHONE: ARCHWAY 2753 & 3858

There's money in

Pharmacists who regularly display Rodine are amply repaid for their time and space by the continual demand for these most efficient rat poisons.

RODINE RAT POISONS

P.A.T.A.

T. HARLEY LTD., PERTH, SCOTLAND

'ASPRO' ACCELERATES BUSINESS

"More display means more sales, means more bonus—and so the wheel turns"—that was one chemist's way of describing how the benefits start mounting up when you display 'ASPRO'. Displaying 'ASPRO', in fact, **ACCELERATES** business—CREATES CUSTOM for other lines, too, and so speeds-up turnover and increases profits. Give 'ASPRO' prominent display and you immediately get the full results of THE MOST ENTERPRISING AND ACTIVE ADVERTISING CAMPAIGN GOING ON IN THE COUNTRY. While well-tried methods of 'ASPRO' publicity are being sustained and expanded, every new method which proves of value is used to the full. The result is that

SPEEDWAY

'ASPRO' is selling to a GREAT POST WAR PUBLIC

FILMS

Hundreds of thousands of speedway and football supporters are hearing the weekly 'ASPRO' programme; millions of cinema-goers are seeing the 'ASPRO' film. Putting in the window a prominent reminder that YOU stock 'ASPRO' is the fastest way of making new and permanent customers.

Made by ASPRO LTD., Slough, Bucks P.A.T.A.

★ SEPTEMBER BONUS ★

OCTIM and SPOSS PRODUCTS

8½% BONUS

In *addition* to usual terms, all orders in September for Octim, Sposs Furniture Dressing, Floor Dressing, Window Sheen and Fentoss Spot Remover carry an 8½% bonus. Order now and get

25% net profit on Retail Prices
(£2 orders carriage paid)

PLUS 5% display bonus on £10 order

PLUS 10% display bonus on £20 order

PLUS 8½% September Bonus

SIMMONDS PRODUCTS LTD., BYRON HOUSE, 7/9, ST. JAMES'S ST., S.W.I. TEL. WHITEHALL 9346

Now available **SACKERS HYGIENIC METAL COMBS**

Will remove Nits, Vermin from hair and scalp

All Enquiries:

SAQUERRE LTD. 62-64 BROOK STREET, LONDON, W.I

KLEENKIL

DDT FLY & MOTH PAPERS 3'

Samples and Prices from
THE KLEENKIL COMPANY
23 Manor Avenue, Northolt, Middx. *BYRon 2918*

SURE-SELLING STOCK!

OVER 150 YEARS REPUTATION

KEARSLEY'S

THE ORIGINAL

WIDOW WELCH'S PILLS

9d. BOX PROFIT by ordering 1 dozen 3/3½ size. Bonus box given on every dozen (13). It pays to push this size.

C. & G. KEARSLEY LTD.

71 Dartmouth Rd., London, S.E.23
Est. 1787

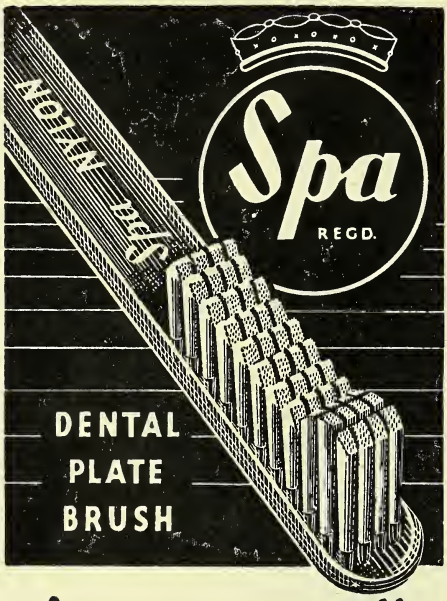
Little-known Limericks—No. 4 (Reprinted)

There was a young trav'ler from Brand,
Who had all the answers in hand.
But although ever willing,
His reception was chilling
When supply was not up to demand.

We do not claim to know all the answers on how to meet the demands of your customers with the limited stocks available today. But we are doing the best we can for *our* customers by distributing our supplies on a strictly fair quota basis.

Brand & Co. Ltd.

London



designed specially for the job

A Dental Plate Brush has a double job to do — it must clean every part of the plate as well as the dentures. No ordinary brush — and no adapted tooth-brush — can do this.

The SPA Dental Plate Brush has been specially designed for its particular job. The handle is correctly shaped. The bristles are of the right hardness, length and spacing.

The price is right. The PROFIT is right. It's a P.A.T.A. line. *And* it's a quick seller.

Supplies now available

John Freeman & Co. Ltd.,
Spa Brush Works, Chesham, Bucks.

UNIQUE !

MARRIOTT'S COCONUT OIL HAIR CREAM

is **NOT** just another hair preparation. It contains genuine Coconut Oil and although in a class by itself, it now retails at

1/11½ per 6 oz. Jar

Distributors for
Scotland, Midlands and Southern England
STANWHITE LTD.
Parkhouse Street, London, S.E.5

Manufactured by
DENCIL MANUFACTURING CO. LTD.
21 CAMBRIDGE ST., LIVERPOOL, 7

Tessa

LIPSTICKS *and* REFILLS

Cosmetized from our exclusive American Formula into the Season's latest shades

★ YOU ARE SUPPORTED BY EXTENSIVE ADVERTISING ★

Send for Shade Card and details of Trade terms.

J. DUNHILL MANUFACTURING CO.
17 WOODSTOCK STREET, LONDON, W1
TELEPHONE : MAYFAIR 1603

Firm favourites!

with every member of the family . . . .

CUTICURA PREPARATIONS

(MEDICINAL AND TOILET)

SOAP · OINTMENT

TALCUM POWDER · SHAVING STICK

These grand aids for skin-care have been giving confidence and satisfaction for over 65 years. Profits are good — Advertising consistent and widespread. Sales-promoting window displays always at your service.

The following attractive products, each with a universal appeal, will shortly be added to the popular Cuticura Range:

HAND CREAM · BABY OIL

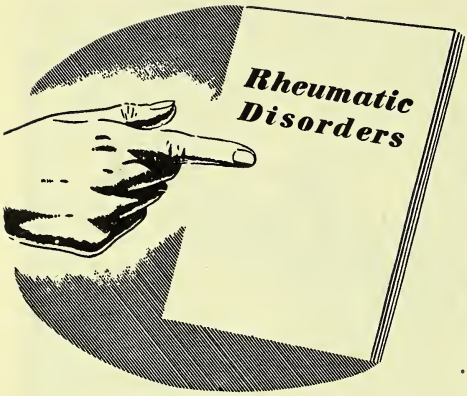
SHAVING CREAM · LIQUID ANTISEPTIC

AFTER-SHAVE LOTION

British Distributors: NEWBERY & PHILLIPS LTD.
203, Victoria House, Southampton Row, London, W.C.1
TELEPHONE: HOLBORN 1564

for

THE POTTER DRUG & CHEMICAL CORPORATION
205-207, Victoria House, London, W.C.1



NEW BOOKLET FOR RHEUMATIC SUFFERERS

This is an authoritative treatise on Rheumatic complaints written in language that the layman can easily understand. Copies are now being included in both the 5/6d. and 26/5d. size Curicones Cartons, and supplies are also available to chemists FREE on request.

Mention is being made of this booklet in our National Advertising and readers are invited to ask their chemist for a copy. Make sure you have a supply of these booklets on hand.

If you require one of these Curicones booklets at short notice to comply with a request from a customer, please take one from a CURICONES CARTON.

P.A.I.A.

CURICONES

STEPHEN MATTHEWS & CO. LTD.
19/21, Farringdon Street, E.C.4

SELL MORE SEMO

TRADE MARK

CLOTHES WASHING POWDER

because

SEMO is the new, *different* Clothes Washing Powder with definite advantages, made possible only by the scientific work of expert research chemists. Not a substitute, SEMO supersedes harsh acting, hand-coarsening preparations. Protects sensitive skins while ensuring easier, better, quicker results. SEMO is unequalled for heavy washing. A nationally advertised line with a good profit margin.

lathers so!

8½d NO COUPONS

Sole distributors:—
SPLENDOR LIMITED
22 Fletcher Gate, Nottingham
(Tel. 40394) and 7c Lower Belgrave St., London, S.W.1 (Tel. Sloane 9144)

'Semprolia'

D. D. T.

HAIR EMULSION

A new formula Hair Emulsion, containing D.D.T. as the active ingredient, for the control of head lice. Pleasantly perfumed and simple to use.

Apply by massaging into the scalp. No combing is required except for the removal of dead lice. Treatment is economical — individual application four drachms only.

List price 8/- (plus tax).
Retail price 1/3 (incl. tax).

ALSO STILL RECOMMENDED

'Semprolia' BRAND

MEDICATED (LETHANE) HAIR OIL N.W.F.

STEMCO Ltd., 128 Albert St., Camden Town, N.W.1
Agents in Eire: May Roberts (Ireland) Ltd., Dublin

To departmental stores in the United Kingdom

HERTS PHARMACEUTICALS, LTD.

manufacturers of Nivea Creme and other Nivea products are pleased to announce that they have appointed

MESSRS.

STOWER & OAKLEY

LTD.

8 PARK ROAD, REGENTS PARK LONDON, N.W.1 *Tel. Paddington 2172, 6177*

as Sole Distributors of these products to Departmental Stores in the United Kingdom.

Chemists will be supplied as in the past either direct from the manufacturers or through their agents Messrs. Thos. Christy & Co. Ltd., Farnham, Surrey.

Skin needs NIVEA

(1)

GeeTabS

SWEETENING TABLETS

Complying with Saccharin Control Order, 1944

MORE PALATABLE
THAN ORDINARY SACCHARIN TABLETS

81/- gross pkts. Controlled price **9d.** pkt.
Special prices for large quantities and bulk supplies. Prompt delivery

RECOMMENDED FOR ALL CATERING PURPOSES

EMMET DISTRIBUTING COMPANY LTD
140 Park Lane, London, W.1
Tel.: MAYfair 6756

E.M.1

BACKACHE?

STILL THE BEST

Trade: 20/- a doz., plus 6/8 Tax — 26/8 doz.
Minimum Retail: 3/1 each, Purchase Tax included

MANUFACTURED IN ENGLAND BY
Johnson & Johnson (GT. BRITAIN) LTD SLOUGH & GARGRAVE

"Leda"

D·D·T
LIQUID SPRAY
Specially prepared for Household use

NON-INFLAMMABLE. NON-STAINING.
Ready for immediate use.
Full directions on each container.
Also in Powder Form. Samples and prices available to Wholesalers from Manufacturers.

LEDA CHEMICALS LTD
WHARF RD., PONDERS END, MIDDX.
Phone : HOWard 2231 (3 lines)
Sole Agents for N.Ireland: Whyte Reid & Mitchell, Ltd 61/63 Donegall Pass, Belfast.
Sole Agents for Scotland : Southern Mfg. Co. Ltd. 214 West Regent Street, Glasgow, C.2

Keep these EUCRYL prices for easy reference

DENTIFRICES — bonus one to the dozen for Window Displays.		Retail Price including Purchase Tax	Net Price to Retailers excl. Purchase Tax
Eucryl Toothpowder	(small)	9d.	5/3
,, ,,	(large)	1/3	8/5
Eucryl Denture Powder	(small)	9d.	5/3
,, ,, ,,	(large)	1/3	8/5
Eucryl Toothpaste		1/3	8/5
Eucryl Dental Plate Fixative	(small)	1/- No. P.T.	8/5
,, ,, ,, ,,	(large)	2/6 ,, ,,	21/-
OTHER LINES			
A.S.K. (Antiseptic Skin Cream)		2/9	18/-
A.R.O. (Anti-rheumatic Ointment)		2/9	18/-
Lysol Disinfectant	(4-ozs.)	—	5/9
,, ,,	(8-ozs.)	—	9/9
,, ,,	(1 Gal.)	—	10/9
LUCE'S PERFUMERY			
Luce's Eau-de-Cologne, and Luce's Lavender Water	(1-oz.)	3/4	16/-
	(2-ozs.)	5/10	28/-
	(4-ozs.)	10/10	52/-
Luce's Flower Perfumes Gardenia, Jersey Lily, Lilac, Jersey Heather, Violet, Oregon	(½-oz.)	4/2	20/-
	(1-oz.)	7/6	36/-
	(2-ozs.)	12/6	60/-
Luce's Soapless Shampoo	(4-ozs.)	1/10	12/-

We regret that the following minimum parcels have become necessary owing to the extreme shortage of packing materials and increased carriage :—

EUCRYL DENTIFRICES :—	30/- net. ex. P.T.—single or assorted.
LYSOL DISINFECTANT :—	6 dozen 4-oz. size, 2 dozen 8-oz. size.
A.S.K. — A.R.O. :—	No minimum.
LUCE'S PERFUMERY :—	Orders over £2 net. } No min. if added to
LUCE'S SHAMPOO :—	1 doz. & free display } a dentifrice order

EUCRYL LTD.

7-9 OAKLEY ROAD, SOUTHAMPTON

FOR A SAFE, SIMPLE & PROFIT-MAKING ADDITION TO YOUR BUSINESS

FOYLES LIBRARIES

Britain's best-known Rental Library organisation

Full details from:

FOYLES LIBRARIES LTD., TREFOILE HOUSE, CHARING CROSS RD., LONDON, W.C.2

Gerrard 5660 (16 lines)

'NYLOS'

The most efficient and hygienic Nail Brush. Long-life Nylon with attractive moulded plastic grip.

Retail price 4/6 including tax.

HANDY HOLIDAY SIZE

Single-Row Nylon in plastic pack! Retail price 3/5 including tax.

NYLOS DENTURE BRUSH

A proved favourite; designed for the thorough cleaning of any denture plate. Retail price 2/5 including tax.

Wholesale enquiries to the sole manufacturers:

PARKER - HALE LTD.

BISLEY WORKS, WHITTALL ST., BIRMINGHAM, 4

KOKO FOR THE HAIR

The HAIR TONIC *and* DRESSING *with* 50 years' reputation

Unsurpassed for—

- PROMOTING GROWTH
- STOPPING FALLING HAIR
- CLEARING DANDRUFF
- NON-GREASY
- DELIGHTFULLY PERFUMED

Stocks available at Wholesalers.

KOKO MARICOPAS CO. LTD., 3, FLEET LANE, E.C.4

KOMPO REGD. FOR COLDS

Manufactured only by

J. F. WHITE & CO., LTD.

Lovington Laboratory, Benson Street, Leeds, 7

Now! A brilliant achievement–

Guitare

Super Indelible Lipstick

★ STAYS ON FOR 8 HOURS

Formulated by the Valdor Laboratories in Paris and sold in millions throughout France and 52 other Countries GUITARE Super Indelible Lipstick is now available in Gt. Britain fo the first time.
15,000,000 British Women are waiting for this, the one lipstick that leaves no trace on Cigarettes, Cups, Glasses, etc., obviating the need for constant retouching.

★ BIG NATIONAL ADVERTISING

is telling them about GUITARE Super Indelible Lipstick—that it stays on for 8 hours without touching-up—that it keeps the lips soft and free from chapping. Made in 8 transparent shades. Be sure you can satisfy the demand and take your share of the profits in this—1948's outstanding best seller.

Retail Price: **1/9, 4/6, 7/11, 8/9.** Refills **2/6** and **4/6.**

★ SEND THIS ORDER—*NOW*

To the Distributors : **SALE TILNEY (MARKETING) LTD**
1 RANGOON STREET, LONDON, E.C.3

Please send GUITARE Super Indelible Lipstick as shown on the right and invoice showing the usual trade Terms.

.....doz. No. 50 (Plastic Case)
Shade(s).....
9m/m Retailing at **1/9** each.
.....doz. No. 300 (Plastic Case)
Shade(s).....
11m/m Retailing at **4/6** each.
.....doz. No. 400 (Metal Case)
Shade(s).....
11m/m Retailing at **7/11** each.
.....doz. No. 600 (Metal Case)
Shade(s).....
13m/m Retailing at **8/9** each.
REFILLS
.....doz. No. 300 R. (11m/m)
Shade(s).....
Retailing at **2/6** each.
.....doz. No. 600 R. (13m/m)
Shade(s).....
Retailing at **4/6** each.

Reference for Shades:
Vivid; Medium; Dark; Red-Red; Cherry; Strawberry; Cyclamen; Kentish Rose.

Name.....

Address.....

MORE SALES *for* Dō-Dō *Tablets*

¶ The sales of Do-Do Asthma Tablets have shown a marked upward trend in the past few weeks, stimulated by an extensive Press and Cinema advertising campaign, backing a first class product.

¶ During the Autumn and Winter months Do-Do Tablets will be Nationally Advertised in the Press and on the screens of the principal Cinemas in a large number of towns.

¶ Prepare for an INCREASED demand for Do-Do Asthma Tablets—now made better than ever before.

Sole Manufacturers
INTERNATIONAL LABORATORIES, LTD.
18, Old Town, London, S.W.4

Dō-Dō
TABLETS
ease **DIFFICULT BREATHING**

Steadily drifting South...

Askit
The Safe Remedy

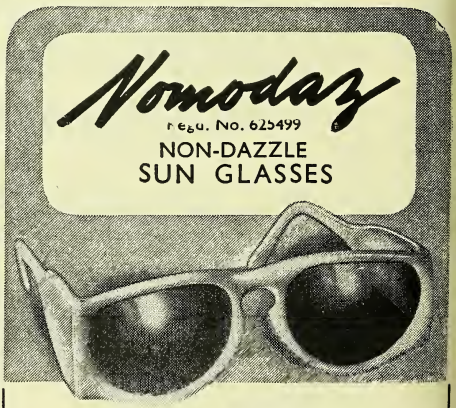
THE POWDER WITH A REPUTATION

For over 30 years Scotland's leading Proprietary Medicine

for the speedy relief of Headaches, Neuralgia, Neuritis and all Nerve Pains.

Manufactured by
ASKIT LTD MANUFACTURING CHEMISTS GLASGOW N

and stocked by
ALL LEADING WHOLESALE HOUSES



The latest in sunspecs

"Nomodaz" Sun glasses are entirely British made, and competitive in price. Designed to give the utmost protection and comfort in wear with elegance in shapes and styles.

LEWIS (Import & Export) LTD.
232 GREAT PORTLAND ST., LONDON, W.1
Tel: Euston 8485 *Cables: Emlew, London*

ANADIN

TRADE MARK

TABLETS

THE PROFESSIONALLY RECOMMENDED ANALGESIC

'Anadin' Tablets are being intensively detailed to the Medical, Dental and Nursing Professions, for the relief of headaches, rheumatic and after extraction pains, and for aborting colds. They in their turn are recommending 'Anadin' Tablets to their patients for the relief of pain.

See that your stocks are adequate for the still increasing demand for this extremely effective analgesic. 'Anadin' Tablets can be included with other I.C.C. lines to qualify for Co-operation Discounts of 12½% on orders of £10 and over; 10% on orders of £5 and over.

	SMALL	LARGE
Retail prices (*incl. purchase tax*) ..	1/8	3/4
Trade prices *per dozen*	12/-	24/-
purchase tax per dozen	4/-	8/-

INTERNATIONAL CHEMICAL COMPANY LTD., CHENIES STREET, LONDON, W.C.1

The fall of the leaf,

nature's visual sign of the approach of winter, the time when constantly changing temperature increases the incidence of the common cold.

Serocalcin is acknowledged by many authorities to be an effective preparation for assisting in the prevention and treatment of colds. Many thousands will shortly be starting their prophylactic course.

Meet this demand for Serocalcin by ordering your supplies as soon as possible. Packed in 20's and 60's.

P.A.T.A.

★ **Pharmacists are reminded that the sole selling agents for Serocalcin in the United Kingdom are J. C. Eno, Ltd., Watford, Herts (Watford 7761), to whom all orders and enquiries should be sent.**

SEROCALCIN

FOR THE PREVENTION & TREATMENT OF COLDS

HARWOODS LABORATORIES LTD · WATFORD · HERTS

Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2. 93/31

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2.

SEPTEMBER 25 1948

ORRIDGE & CO. (Estd. 1846)

. **South Africa.** We are now in receipt of instructions for the disposal of several substantial businesses in the Union of South Africa and particulars will be forwarded to applicants desirous of emigrating. The prices are between £4,500 and £9,000 approximately. Possibly part payment terms in some instances may be arranged to approved purchasers.

. **Canterbury, near.** Retirement vacancy. In present hands 50 years. Turnover about £4,000 per annum. Scope. New Lease. Price for goodwill and fixtures, £2,000. Stock at valuation.

. **London, South-east.** Middle-class business. Turnover last year just over £3,800. Excellent living accommodation with four bedrooms. Rent, £85 per annum. Long lease. Price required, £3,000 all at, or valuation terms entertained.

Northern Spa. High-class dispensing business. Net profit last year nearly £1,400. New lease at extremely low rental. Valuable stock and fixtures. Main road. Total purchase price required, £6,750.

5. North-west London. Vendor emigrating. Good class business. Turnover last year, £8,894. Net profit to managing proprietor over £1,500 per annum. New lease. Substantial stock and attractive fixtures and fittings. Price required for business about £4,250 inclusive, or valuation terms entertained. Private house available.

6. Essex, Country Town. Turnover last year over £13,000. Net profit, after charging heavy expenses, over £2,500. New lease at £150 per annum. Price, £6,500, plus stock, estimated at £2,000.

7. London, North-west. Good class business offering scope. Attractive flat. Spacious shop, beautifully fitted in mahogany. Long lease. Price, £1,250, plus stock, which vendor would reduce to £500.

8. London. Wholesale drug business for sale. Specialities. Net profit under management last year over £3,500. Security of tenure. Valuable stocks. Travellers. Increasing business. Total purchase price, including valuable stock, approximately £12,000.

184 STRAND • LONDON • W.C.2

Telephone: TEMPLE BAR 9212/3—6340 Telegrams: Orridgchem, Estrand, London

Branch Offices: 36 Cannon St., Birmingham, 2. Phone: Midland 6547
77 High St., Shirley, Southampton. Phone: Southampton 71708

For **SALES, PURCHASES, VALUATIONS, STOCKTAKING** *and* **ASSESSMENTS**

BUSINESSES WANTED

For 36 words or less, 3d. for every additional word

BALIST, drug store, surgical store or chemists ted. Yorkshire area or near preferred. Box 6.

GE MULTIPLE SHOE FIRM requires to purchase hold shops for occupation in all the leading don suburban shopping centres. Only 100% tions will be entertained. Prepared to purchase nesses to obtain premises. Full details to their veyors, marked E.C., Messrs. Vickers & Stan- 80 Duke St.,Grosvenor Sq., W.1. Mayfair 4996 3709.

BUSINESSES FOR DISPOSAL

For 36 words or less, 3d. for every additional word

ELLENT OPPORTUNITY for chemist to acquire ood, sound, old-established business in busy ping centre, London E.1. Owner retiring after years. Living accommodation available. Par- ars on request. Box 4/542.

BALIST, health foods, drugs. Light, airy lock- Lease available. No competition. Ill-health. ed and suitable for pharmacy, N.H.S., etc. n road in outer London. Goodwill, fittings. k all at £1,000. Apply first, 3 Chattern Rd., ord, Middlesex.

OLD-ESTABLISHED, well-connected wholesale chemists' and druggists' sundries business, serving chemists, hardwaremen, grocers, Co-op. stores, etc., 3,500 customers; turnover approx. £50,000. Profits for 1946-47 over £7,000. For 1947-48 not yet declared but expected to be greater. New building of best construction with lift, good stocks and fittings and equipment, land and houses (all freehold) for future development. Two vans and two cars in first-class order. Price required £100,000. Letters exchanged in strictest confidence with people of substance. Enquiries should enclose banker's reference. Box 4/679.

WEST MIDLAND TOWN. Chemist and druggist stores. Ideal, sound business. Old established. Main road position. Thickly populated. Including freehold property. Ex. accommodation. £5,500 (incl. stock). Substantial mortgage arranged. Agents, Gordon Bentley, Ltd., St. Martins Pl., Broad St., Birmingham, 1. Midland 4822.

YORKSHIRE, WEST RIDING. Old-established chemists' business, full wine licence, Kodak, Yardley and Coty agencies. Spacious flat over shop; garage. Turnover approx. £4,000. Fixtures and goodwill, £2,500. Stock at valuation. Rent, £200 per annum, or property can be bought on substantial mortgage. Apply Box 4/690.

SOUTHERN COUNTIES. Unique opportunity to acquire two businesses with combined turnovers approaching £20,000 and £14,000 per annum respectively; the businesses are situated in a very attractive country town within easy travelling distance of London and occupy prominent trading positions ; aggregate capital requirements will approximate £22,000 as the businesses carry heavy stocks which when last valued were in the region of £10,000. Confidential details will be furnished to principals only upon receipt of bankers' references. Box 4/681.

WHOLESALE AND RETAIL surgical appliance manufacturing business. Established 70 years. Freehold factory, including stock, machinery, etc.; also sales shop in centre of one of the Midland's most enterprising cities. Owners wish to retire. Purchase price £15,000. Apply Box 4/703.

WHOLESALE MANUFACTURING chemists' (est. 1917) business for sale. Toilet licence. Full information and audited accounts available. Freehold property. Main road, Liverpool. Patented and proprietary licences. Capital required approx. £6,000. Box 4/533.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947.

SITUATIONS OPEN

8/6 for 36 words or less, 3d. for every additional word

RETAIL (HOME)

A SMALL ORGANISATION of pharmaceutical chemists have vacancies for two experienced pharmacists in the Ilford area of London. The salary to be paid in both branch managerial positions would be some £550 for a commencement. Applications will receive careful consideration and an appointment will be arranged with the Managing Director to discuss prospects and possibilities. Box 4/668.

ARE YOU YOUNG, qualified and with good dispensing experience? Here is your opportunity to take charge of the dispensing department in a large and busy pharmacy in Essex. The right salary will be paid to the right person. Write for interview, giving your particulars, to Macarthy's, Ltd., 28 Market Pl., Romford.

ASSISTANT required (either sex) for counter, display and help with dispensing. Hours 9-6, Wednesday 1 p.m. Staff of 5. Skidmore, Chemist, Banstead, Surrey. Burgh Heath 720 (after 2.30 Burgh Heath 3143).

ASSISTANT, qualified, required for busy pharmacy near Manchester. Suit newly-qualified male or female. Full particulars to Box 4/686.

BOOTS THE CHEMISTS have vacancies in a number of districts for qualified assistants, male and female. Salary (male) Central London £8 15s. to £10 5s. Metropolitan District £8 7s. 6d. to £9 17s. 6d. Provinces £8 to £9 10s.. (Female) Central London £8 5s. to £9 15s. Metropolitan District £7 17s. 6d. to £9 7s. 6d. Provinces £7 10s. to £9 according to age. Engagements are on a permanent basis with good prospects and eligibility for pension, life assurances, etc. There are also a number of vacancies for unqualified assistants fully trained in the business and including those dispensers who have been released by doctors, etc. Good remuneration with a view to permanency, pension scheme, etc. A bonus is paid to all staff engaged in dispensing. Applications should be made to Retail Staff Department, Station St., Nottingham, stating age, experience and districts preferred.

DERBY. Pharmacist required. Lady or gent. Excellent opportunity for recently-qualified to gain experience in large establishment. Congenial conditions. Apply, giving full particulars, to Secretary, Derby Co-operative Society, Ltd., Albion St., Derby.

CARDIFF SUBURB, R. W. Duck & Son, Ltd., require the services of an experienced qualified manager at their Whitchurch branch. Apply R. W. Duck & Son, Ltd., St. John Sq., Cardiff.

DERBY. Qualified manager required for branch pharmacy in good locality near Derby. Must be energetic and enthusiastic, a good salesman, and accustomed to heavy N.H.S. dispensing. Please state age, details of experience and salary required. Box 4/708.

DURHAM CITY. Pharmacist required to manage retail department. Permanent position to all-round man; other staff kept. Apply in writing, to Holiday & Co., Ltd., Claypath Pharmacy, Durham City.

FULLY QUALIFIED PHARMACIST required as managing director for small company with branch shops. Capital not necessary. Applications will be treated in confidence and should state age, experience and salary. Apply Box 4/713.

KENT. Unqualified dispensing assistants required in Folkestone and Margate by Timothy Whites & Taylors. Prospects good. Permanency. Apply to District Manager, 19 Allington Way, Maidstone.

LADY ASSISTANT, qualified or unqualified, for good-class dispensary business. Accommodation for single person found. Hours by arrangement. Apply with full particulars to Mills, Chemist, Church St.,

LEEDS Industrial Co-operative Society, Ltd., invite applications from chemists of experience to manage busy branch pharmacy in residential part of Leeds. Salary based on furnover, £575, with additional emoluments. Applications stating age and fullest particulars to Superintendent Pharmacist, 6 Albion St., Leeds, 1.

LINCOLNSHIRE. Country town. Qualified assistant (either sex); elderly pharmacist required for an interesting business situated in beautiful country within easy reach of seaside. Box 4/447.

LONDON, S.E. Unqualified assistant required for family business; must be an accurate dispenser; good prospects. Please give full details of previous experience and age, to Box 4/704.

MALE ASSISTANT, unqualified. Good dispenser for City pharmacy, duties mainly dispensing. 3 other staff. Permanency. Full details in first letter please. R. H. Cooper, 20 Royal Exchange, E.C.3.

MALE AND FEMALE unqualified assistants required for busy counter and dispensing business in Central London. Good wages and prospects to keen, energetic workers. Apply, the Secretary, telephone Fla 5955.

MANAGER required for pharmacy in Hull. Three assistants kept. New furnished flat available at modest rent. Generous salary and annual bonus. Please apply with available references, which will be returned promptly. Box 4/635.

MIDLANDS. Branch manager. Busy country trade and N.H. dispensing. Two assistants kept. Easily worked. Good opening for optics. Small modern house available, with garden. Salary or salary and commission as desired. Removal expenses paid. State experience and salary, etc., Turner, Chemist, Tamworth, Staffs. Phone 219.

NUNEATON. Lesters (Chemists) Ltd., have a vacancy for pharmacist. Duties mainly dispensing. Large pharmacy, congenial staff, pleasant working conditions. House or recommended " digs." available as desired. Commencing salary 11-12 gns. according to experience. Please forward full particulars experience, age, height, and photograph (returnable) if possible to L. H. Lester, Rexall Pharmacy, Nuneaton, Warwickshire. Phone Nuneaton 3426/7.

ORRIDGE & CO., Employment Agency, 184 Strand, W.C.2. Temple Bar 9212/3. Branches at Southampton and Birmingham. Enquiries invited from all employers seeking staff. Many pharmacists and unqualified assistants available for retail and wholesale. Representatives also requiring situations. Reasonable terms. Write to 184 Strand, W.C.2 for particulars.

TICIAN on C.P.C. list required in small Mon-outhshire town. Give full particulars. Box 4/687.

ARMACIST, either sex, as extra qualified assist-t, available as relief at four branch shops be-een Leytonstone and Buckhurst Hill, during holi-ys and illness, otherwise employed at head shop Leytonstone. All good-class modern shops, pro-ing excellent conditions; situated Epping Forest ality. The position is permanent and well-ted to a recently qualified person desirous of ning valuable experience, modern business pro-essive methods and dispensing. Salary offered 10s. weekly. Three weeks' holiday (full pay) h one extra full week's salary Christmas annu-y. Interview required. L. Matthews & Son nemists), Ltd., 722 High Rd., Leytonstone, E.11.

ARMACIST-MANAGER required for extensive siness in North-West London (Maida Vale area); cellent opportunity for keen energetic applicant the owners are quite willing to allow him to quire a part interest in the business either im-diately or over a period. Commencing salary 00 per annum. Living accommodation is not ailable on the premises. applicants should, there-e, reside within reasonable distance of Maida le or alternatively be in a position to make suit-e residential arrangements. Please communicate tially, stating full particulars of experience, etc., h H. F. Breakspear, M.P.S., Marlow Rd., rner, Maidenhead. Telephone Maidenhead 333.

RISEA ISLAND Co-operative Chemist, Ltd., re-re qualified pharmacy branch manager. Perma-ncy, excellent prospects, superannuation fund. ges based upon sales at present £11 3s. 6d. per ek. Flat available. Applications in writing stat-age, qualifications and experience, to the ecutive Officer, 110 Fratton Rd., Portsmouth. dorse envelopes "Pharmacist."

ICING CLERK, with sound knowledge of drugs, dries and pharmaceuticals, required at once. erview essential. Particulars to Macarthy's, Ltd., Market Pl., Romford, Essex.

ALIFIED ASSISTANT required for counter and pensing in high-class pharmacy (T.S.A. Licence). gh remuneration. Permanency. Chave & Jack-, Ltd., Hereford.

ALIFIED ASSISTANT/DISPENSER required im-diately. Excellent unfurnished flat available. t pharmacist recently qualified and married. ply with full particulars in first letter, to nry Davis (Newbury), Ltd., Northbrook St., wbury.

ALIFIED ASSISTANT PHARMACIST required for tral pharmacy. Suit newly qualified male or nale. Apply, stating age, experience and wages uired, to The Secretary, Stockport I. & E. -operative Society, Ltd., 27-39 Chestergate, ckport.

ALIFIED GENTLEMAN required to assist widow management of small, well-established family iness. Living accommodation (away from pre-es) if required. Please apply, stating terms, to H. Westmoreland, 311 High St., Chatham, nt.

ALIFIED MANAGER required to take full charge very busy pharmacy with brisk counter trade S.W. London. Good remuneration and excel-t prospects for a real live wire. Give full par-lars of experience, age, etc., to Box 4/705.

QUIRED IMMEDIATELY, lady assistant for coun-Dispensing an advantage. Apply, James Leigh nemists), Ltd., 45 East St., Barking.

V. LONDON. Permanency offered to competent lified assistant, male or female, for dispensing counter. Full particulars to W. J. Boyes, 61 ham Hill, S.W.12.

QUALIFIED dispensing assistants required im-diately for busy dispensing branches at Farnham, otford and Banbury. These vacancies offer ex-ent opportunities to dispensers contemplating lification. Good salaries and commission. Full ticulars to Mr. W. J. Berry, Timothy Whites Taylors, Ltd., 70 Vauxhall Bridge Rd., S.W.1.

£8 WEEKLY OFFERED unqualified assistant (either sex) for working-class business with busy N.H.S., within few minutes Waterloo Station, London, S.E.1. Can wait if necessary for suitable applicant. Apply in strict confidence, to Box 4/603.

WHOLESALE

REPRESENTATIVE required by leading firm of manufacturing chemists to take over first-class existing connection in Midland and Eastern Counties, on salary, commission and expenses basis. Applicant should be car owner, resident in or near Midlands, and have sound knowledge of the trade. Preference will be given to applicant with previous experience on this territory. Write, giving fullest particulars in first letter, to Box 4/71.

A LONDON FIRM of toilet roll distributors seeks active representatives in the London area to handle a first-class toilet roll on a 10% commission basis. Only those with proved connections need apply to Sales Director, Box 4/717.

A REPRESENTATIVE is required for Northern Ireland and Durham by the manufacturers of a range of famous consumer goods selling to the wholesale and retail distribution trades. The appointment carries a good salary and is pensionable. A car is provided and all expenses are paid. Applicants must be experienced in selling to retailers and be prepared to live in the Newcastle area, but should not be over 40 years of age. Reply, stating age, experience, etc., to Box 4/688.

ADVERTISING EXECUTIVE required in London by a leading firm of manufacturing chemists. Applicants should be experienced in writing medical and pharmaceutical literature. The post is a permanent one, is highly paid, and offers exceptional prospects to a man with a natural flair for this specialised work; and only those with the necessary qualifications should apply. Please give details of age, past experience, etc., to Box 4/570.

AN OLD-ESTABLISHED London house require a young qualified assistant chemist, capable of conducting routine analysis of products, and supervision of poisons. Write, giving full particulars of age, experience, salary required, to Box 4/674.

ANALYTICAL CHEMIST required by London manufacturing chemists. Practical works experience of general routine analysis and alkaloidal assays of drugs, including opium, essential. 5-day week. Reply, giving particulars of experience, salary, etc., to Box 4/173.

ASSISTANT with some pharmaceutical experience required for pill department of manufacturing chemists in London area. Apply with full particulars and salary required, to Box 4/676.

ASSISTANT EXPORT MANAGER required in London by a firm of manufacturing chemists having a large and rapidly growing turnover in all parts of the world. Only those experienced in the pharmaceutical industry need apply. The post is a permanent one, offering unique prospects to a keen man of real ability. A good salary will be paid to the successful applicant capable of undertaking increasing responsibility. Please reply, giving details of age, previous experience, etc., to Sales Manager, Box 4/569.

ASSISTANT REQUIRED, age 25-30, for old-established Scottish wholesale house to assist in general management. The position is of an interesting and progressive nature and suitable for an energetic man who can handle staff and is not afraid of work. Please reply stating experience and salary wanted. Replies will be treated confidentially. Box 4/719.

The Institute of Chemists-Opticians,
2 Clements Inn, Strand, W.C.2

For Syllabuses of the Institute's Examinations and all further information, write to the Hon. Secretary, J. Ross-Mansell, Ph.D., B.Sc.

BRITISH CHEMICALS & BIOLOGICALS, LTD. (controlling Benger's, Ltd., Genatosan, Ltd., and Whiffen & Sons, Ltd.), require an assistant in their medical department, at Loughborough. Duties will include correspondence with the medical profession and the compilation of technical literature. A degree in pharmacy or science is desirable and an ability to write lucid English is essential. Previous experience of this work will be advantageous, but is not a necessity. Applications should be addressed to the Sales Director, British Chemicals & Biologicals, Ltd., Loughborough, Leics.

ELI LILLY & CO., LTD., of Basingstoke, Hants, require a pharmacist to act as representative in the Dundee territory. Applications are invited from registered pharmacists under 35 years of age, and preferably resident in this area. Previous representative experience is not essential.

MALE CLERK with ethical pharmaceutical experience, to supervise stock and despatch department of well-known house in S.W. London. Good salary and prospects to right man. Box 4/691.

MANUFACTURERS of established toilet line and other products require representatives in each of the following territories: (a) Birmingham and the West Midlands. (b) Bristol and the South-West. (c) Manchester and District. Well-established connection with retail chemists and allied trades absolutely essential. Must possess own car. Send details in confidence. Box 4/544.

MANUFACTURING CHEMISTS require well-qualified chemist for laboratory work. Must be a good analyst and have a flair for development work. Midlands. Box 4/715.

MEDICAL CONTROLLER. Applications are invited from the medical profession for appointment as controller of all medical activities of British Schering Group of companies. The appointment involves advising directorate regarding development of new products, arrangement of therapeutic trials and responsibility for efficient organisation and running of a medical service department and will provide for some measure of independent hospital practice. Applications will be treated in confidence and should be addressed to the Managing Director, British Schering Ltd., 167-169 Great Portland St., London, W.1.

MEN with wide experience of retail pharmacy are invited to apply for positions as representatives of a very prominent company whose medical products are household words. The situations are permanent and progressive, remunerated by salary and expenses. Applicants should be resident in Berkshire, Dorset, Hampshire, Derby or the Sheffield area. Successful candidates will be required to undertake professional propaganda as well as normal pharmaceutical trade detailing. Give fullest particulars in confidence. Box 4/604.

OLD-ESTABLISHED London drug house requires representative for Oxfordshire, Bedfordshire, Buckinghamshire and N.W. London suburbs. Must have good personal connection. Salary, expenses and commission. Box 4/602.

PHARMACEUTICAL and surgical dressings manufacturers have a vacancy for a representative in Scotland. Applicants not over 35 years should give particulars of experience, including education, also salary required. Box 4/677.

POLAK & SCHWARZ (ENGLAND), LTD., 50 Great Cambridge Road, Enfield, Middlesex, require representative for North and East London districts. Some experience in the food and cosmetic industries an advantage. Write in strict confidence to General Manager, giving full details of age, education, experience, etc.

PROGRESSIVE manufacturers of finest quality pharmaceutical specialities in popular demand, require experienced salesmen to take charge and develop following territories:— (1) South London and Surrey; (2) Southern Counties; (3) West Country; (4) Wales and Border Counties. (5) Eastern Counties. The positions offer exceptional scope with generous commencing remuneration. Applicants must provide record of long-established connections. M.P.S. qualifications and car owners preferred but not essential. Only salesmen of outstanding qualities and personality should apply. Sole agencies considered on certain territories. Apply fully in confidence, giving age, experience, territory and frequency of calls, etc., Box 4/702.

PROMINENT manufacturers of ethical pharmaceutical products require a qualified chemist to act as representative in Southern Eire. The position is progressive and offers scope for a man of ability. Previous experience is not essential. Applicants, preferably resident in the Cork area, and who should not be over 35 years of age, should send particulars to Box 4/700.

QUALIFIED CHEMICAL ENGINEER wanted to control thirty machines in pharmaceutical processing department, London area. Experience in handling powders, pills, creams and tablets essential. Working knowledge of sterile packing and humidity control an advantage. State fullest particulars in confidence. Box 4/716.

REPRESENTATIVE required for sales of veterinary requirements to veterinary profession only in area Kent to Hampshire with adjoining counties. Knowledge of veterinary products essential. Apply Box 4/628.

REPRESENTATIVE required by old-established London house for Midland territory. Applicants should have live connection with retail chemists and preferably some previous retail experience, not necessarily qualified. Please state age, experience and remuneration required. Box 4/673.

REPRESENTATIVE wanted; London and Home Counties. Young man 20-25 years of age. Salary, expenses and commission. Own car an advantage. To call on retail chemists. Firm has an established connection. Write full particulars, Box 4/670.

REPRESENTATIVE required for sales of veterinary requirements to veterinary profession only in area Devon, Cornwall and other West Counties. Knowledge of veterinary products essential. Apply Box 4/629.

REPRESENTATIVE required to call upon chemists, veterinary surgeons and hospitals in Derbyshire, Cheshire, Lancashire and North Wales, with previous experience essential and a connection preferred. Full details of past experience, remuneration, etc., to Box 4/706.

REPRESENTATIVE wanted for high-class vitaminised chocolate on commission basis. Please give details of territory covered and commission expected, to Box 4/707.

REPRESENTATIVES required by live wholesale house. Must have first-class connections amongst retail chemists. The positions are permanent with excellent prospects for the right men. Liberal remuneration. Apply Staff Manager, Martin Brent, Ltd., Wholesale Chemist, Beresford Ave., Wembley, Middlesex. Phone Wembley 2113.

REPRESENTATIVES for three territories required by ethical pharmaceutical house with wide range of preparations calling on wholesale and retail chemists only in (1) Lancs, West Riding, Ches; (2) South Wales, Glos; (3) Midlands and East. We offer a permanent position with liberal salary, expenses and commission to A1 men having established connection and long experience. Send full details to Box 4/671.

REPRESENTATIVES already calling on chemists, hairdressing and cosmetic trades required for London area and all districts British Isles to sell sponges on commission basis. Every support given to energetic men. Write fully first instance, Box 4/619.

PRESENTATIVE, must be qualified, required by rst, Brooke & Hirst, Ltd., to take over the t and South Yorkshire areas. Must reside in ffield or within 25 miles radius. Previous exience an advantage but not essential. Reply in ct confidence to Managing Director, Sheepscar rks, Leeds, 7.

PRESENTATIVE REQUIRED for areas Derbyshire, icestershire, Nottinghamshire, Staffordshire, Warckshire, for reputable firm of manufacturing emists. Must be car owner. Write, giving full ails to Box 4/601.

LES MANAGER required in London by a firm manufacturing chemists, with a large home and port trade. A man of wide experience in sales velopment is sought, having pharmaceutical alifications, and capable of initiating sales emes, controlling representatives, etc. The post an important one, offering unlimited scope and good salary will be paid. The successful appli- t will work closely with the Managing Direc- , relieving the latter in due course of much of work at present undertaken by him. Please ly (in strictest confidence) giving age, full de- s of previous experience, etc., to Managing rector, Box 4/571.

GAR COATER. An opportunity occurs for a first- ss coater with experience in all types of plain d coloured work. To take charge of department old-established London house. Write, giving ails of age, experience and salary required. x 4/675.

AVELLERS WANTED. Experienced representa- es wanted for Liverpool and North Wales and sgow and West of Scotland by manufacturers surgical dressings, sanitary towels, and druggist dries; to call on chemists (also drapers for itary towels only); connection an advantage. ary, commission and expenses. Box 4/599.

QUALIFIED ASSISTANT required for pharma- tical speciality manufacture by London manu- turing chemists. Apply, giving full particulars experience, to Box 4/672.

QUALIFIED LADY required for testing and rks laboratory of chemical manufacturers North ndon. Applications with full particulars, train- , experience, if any, age and salary required, Box 4/532.

QUALIFIED MAN required for wholesale manu- turing chemists' veterinary work in Shrewsbury. gle, aged 25 to 35. Apply Box 4/630.

TERINARY REPRESENTATIVE. Wanted for York- ce area a qualified representative to call on terinary Surgeons. Applications with full partic- rs of experience and age to:—Evans Medical Sup- s Ltd., Home Veterinary Department, Speke, erpool, 19.

ANTED. Young man (under 30) as assistant to port marketing manager of large pharmaceutical se. Should have experience in marketing of dical products, medical propaganda and sales dgets control. A pharmaceutical qualification d knowledge of Spanish would be advantageous. ite in confidence, giving details and experience, d salary required, Box No. 602, Dorland Adver- ng, Ltd., 18-20 Regent St., S.W.1.

UNG UNQUALIFIED ASSISTANT for manufactur- chemists. Five-day week. Apply Castle Huskis- Ltd., Moon Street, Islington, N.1.

SITUATIONS WANTED

for 18 words or less, 1d. for every additional word

RETAIL (HOME)

ARMACIST residing in Surrey (14 miles from ndon), with over 25 years' first-class experi- e in wholesale and retail pharmacy, desires a gressive managerial or executive position in ner branch. Highest credentials. Box 4/549.

SALES MANAGER, wishing change, sound experience in chemists' and grocery trade, used to producing excellent steady increase in sales, also to factory and sales staff control, seeks progressive position with enterprising firm. Box 4/714.

UNQUALIFIED, married, desires full-time permanency as dispenser; over 15 years' West End experience. Southern area preferred. Please state if accommodation available. Box 4/666.

WELL-EXPERIENCED DISPENSER Secretary available; Hall; in or near London; 5-day week preferable. Box 4/709.

WHOLESALE

B. PHARM., PH.C., age 23, resident London, seeks appointment with leading pharmaceutical house, preferably on production where opportunity will be given to acquire administrative experience. Would appreciate contact with sales and propaganda side too. H. G. Kalisch, 37 West Hill Court, Millfield Lane, N.6.

BUYER, experienced in large-scale buying of all packaging, equipment and laboratory plant, requires appointment with scope for advancement. At present with leading firm of chemical manufacturers. Box 4/667.

FIRST-CLASS representative with excellent connection chemists and departmental stores, London and Middlesex desires change with firm of repute. Highest references. Salary, commission, expenses. Box 4/701.

IRISHMAN (experienced representative), now resident England, shortly returning to Eire, requires good agencies. Box 4/554.

APPOINTMENTS

ENFIELD GROUP HOSPITAL MANAGEMENT COMMITTEE

Pharmacist required for the Pharmaceutical Department at Chase Farm Hospital, Enfield. Non-resident. Established. Pensionable. Salary according to J.N.C. recommendations, commencing up to £450 according to experience. Applications to the Chief Pharmacist, Chase Farm Hospital, Enfield, Middx.

EXETER & MID-DEVON HOSPITALS MANAGEMENT COMMITTEE

Royal Devon & Exeter Hospital, Exeter. Two ASSISTANT PHARMACISTS (male) required. Salary according to J.N.C. (Hospital Staffs) scale. Hospital experience preferred but not essential. The posts are subject to the National Health Service (Superannuation) Regulations. Applications with full particulars, and copies of not more than three testimonials, as soon as possible to the Secretary.

KING'S COLLEGE HOSPITAL,

DENMARK HILL, S.E.5.

ASSISTANT PHARMACIST (registered) required Salary and hours according to the J.N.C. scale. Applications with details of experience should be sent to The Pharmacist, at the above address.

NORTHERN GROUP HOSPITAL MANAGEMENT COMMITTEE

NORTHERN HOSPITAL, WINCHMORE HILL, N.21

Required, ASSISTANT PHARMACIST, male or female, at the above hospital. Salary and conditions of service in accordance with J.N.C. Scale. Residential accommodation (if female) available subject to appropriate deductions.

Applications, stating qualifications and experience, should be sent to the Secretary, Hospital Management Committee, Royal Northern Hospital, Holloway, N.7.

KENT COUNTY COUNCIL
ASSISTANT PHARMACIST

Applications are invited for the following appointment.

ASSISTANT PHARMACIST (M.P.S. or Ph.C.) (male), hospital experience preferred. Salary £370 a year by four increments of £15 and one of £20 to £450 a year. Superannuation. Medical examination necessary.

Applications, stating age, qualifications, experience and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

The person appointed will, in the first instance, be employed at the County Pharmacy, County Hall, Maidstone, and transferred to the service of the Regional Hospital Board at a later date.

W. L. PLATTS,
Clerk of the County Council.

County Hall, Maidstone.
September 17, 1948.

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST for NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. J.N.C. (Hospital Staffs) Scale. £370 to £450 inc. Similar experience may determine commencing salary. Whole time, established, pensionable, subject to medical examination. Applications, stating age, qualifications, experience, with copies of up to three recent testimonials, to MEDICAL DIRECTOR of Hospital immediately (quoting D.591 CD). No forms.

C. W. RADCLIFFE,
Clerk of the County Council.

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST required at HAREFIELD COUNTY HOSPITAL, Harefield, Middx. J.N.C. (Hosp. Staffs) salary £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Recently qualified pharmacists eligible. Whole-time, unestablished, possible establishment, subject to medical examination. Application, stating age, qualifications, experience, with copies of up to 3 recent testimonials, to MEDICAL DIRECTOR at Hospital, IMMEDIATELY (quoting E.146 CD).

QUEEN MARY'S HOSPITAL FOR THE EAST END WEST HAM GROUP No. 9 STRATFORD, LONDON, E.15

ASSISTANT PHARMACIST required. Commencing salary depending on experience and in accordance with the J.N.C. (Hospital Staffs) Scale. Previous hospital experience not essential. Hours, 9 a.m. to 5 p.m. Saturday, 9 a.m. to 1 p.m. No Sunday or late duties. Applications with details of experience should be sent to the undersigned.

J. C. DURNAN, Chief Pharmacist.

READING & DISTRICT HOSPITAL MANAGEMENT COMMITTEE ROYAL BERKSHIRE HOSPITAL, READING

Applications are invited from persons holding the Certificate of the Society of Apothecaries for the post of SECRETARY-DISPENSER. Salary in accordance with the J.N.C. Scale (£270-£320 per annum). Similar experience may determine commencing salary. Applications, stating age, qualifications and experience, with copies of recent testimonials, should be sent to the Administrative Officer.

REDHILL COUNTY HOSPITAL
EDGWARE, MIDDLESEX

REGISTERED ASSISTANT PHARMACIST required. J.N.C. (Hosp. Staffs) salary £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Whole-time, established, pensionable, subject to medical examination. Application, stating age, qualifications, experience, with copies of up to three recent testimonials, to Medical Director of Hospital immediately (quoting D.815 CD). No forms.

AGENCIES

17/6 for 36 words or less, 4d. for every additional word

AGENTS or exclusive district distributors wanted for the most efficient cleansing tablet. Non-abrasive; no coupons; no competition. Makers: Nubel, Ltd., 87A Thurleigh Rd., London, S.W.12.

AGENTS wanted to handle established range of pharmaceuticals and fine chemicals. Must have established connection with wholesale and retail chemists. Generous commission. Box 4/682.

CHEMISTS' WHOLESALERS and agents wanted all areas. Company representation being withdrawn. Old-established lines. Interested companies please write Box W.1837, Haddons', Salisbury Sq., London, E.C.4.

COMMISSION AGENTS required to sell to Chemists and Druggists in Wales, Yorkshire and East Anglia nationally advertised patented line, full sales aids, including lists of customers, provided to successful applicants. Agents with proved sales records and good connections should send full details of lines now carried, whether car owner, and frequency of calls to Box No. 254, Dorland Advertising Limited, 18-20 Regent St., London, S.W.1.

FIRM OF MANUFACTURING and Wholesale Chemists is desirous of being appointed Selling Agent for well presented Pharmaceutical Products and Sundries Lines in the Northern Counties. Will firms of repute only apply, please Box 4/718.

SALES ORGANISATION, 14 representatives covering all Scotland, Ireland and Northern Ireland's first-class pharmaceutical and sundries only, offer representation for sundries and established toilet or pharmaceutical lines. Box 4/698.

BUSINESS OPPORTUNITIES

17/6 for 36 words or less, 4d. for every additional word

FACTORY PREMISES in S.E. London. Space in modern new factory, eminently suitable as a London depôt. Warehouse, packing and office staff available, also motor transport. Apply Box 4/669.

MANUFACTURERS of nationally advertised cosmetic speciality would share advertisement space and costs (currently £3/5,000 p.a.) with another manufacturer of non-competing line with view to joint doubling of effective coverage. Box 4/642.

MANUFACTURING CHEMIST'S business is for sale. High-class pharmaceutical products are made in London factory. Good profit. Reasonable price. Box 4/699.

MANUFACTURING CHEMISTS have facilities and space available for the manufacture and/or packing of domestic, industrial or toilet products. Bottle, powder and tube filling. Frank Macowal, Ltd., 30 Loughborough St., S.E.11. Reliance 3435.

SALES ORGANISATION, 14 representatives covering all Scotland, Ireland and Northern Ireland's first-class pharmaceutical and sundries only. Offer representation for sundries and established toilet or pharmaceutical lines. Box 4/680.

WHY NOT BE A SALESMAN with our proved postal training and guaranteed appointments service which secured 1,000 salaried sales vacancies in 1947? Previous experience unnecessary with our 25 years' specialised experience to aid you. Send today for free details. Wallace Attwood College, Dept. 84, Attwood House, Finchley Rd., London, N.W.3.

ANTED firm covering Great Britain or part, to rket unique new line with big future. Univer- appeal, women no competition whatever. x 4/712.

SALES BY AUCTION

By Order of the Joint Liquidators, Arthur E. Clarke, Esq., and Parkin S. Booth, Esq., re HOWARD-TAYLOR LIMITED (in liquidation)

MANUFACTURING CHEMISTS

he entire stock consisting of finished stock, aw materials, packing materials, office furni- ure, etc., has been removed and will be sold by auction at

FETTER LANE AUCTION ROOMS, E.C.1,

n Tuesday, September 28, 1948, at 2.30 pprox. On view day prior and morning of ale. Catalogues of the auctioneers: Hamilton Palmer & Junr., 24 Holborn, London, E.C.1 adjoining the sale rooms). 'Phone: Holborn 391.

MISCELLANEOUS SALES

6 for 36 words or less, 4d. for every additional word

IED WHITE WILLOW BARK. For sale, several s which are surplus to ordinary requirements ulting from heavy fall of trees this season and essary clear storage for coming felling (Novem-). Litchfield's, 32 Ferrers Av., West Drayton, ddlesex.

R SALE. All sizes of glass bottles and cosmetic s. Pay Bros. 28 St. James's Pl., S.W.1. Tel. ent 0338.

R SALE. 10,000 self-fastening wax fibre board es, each when assembled 9½" x 12" x 11". New unused. £50 per 1,000 for quick sale. O. uton & Co., Ltd., 4 Barker Lane, York.

YCERINE, B.P. Surplus to requirements; also ax, boracic powder, methyl salicyl and magnes. o. Lev. Box 4/692.

YCERINE and stearic acid for disposal. Offers 4/545.

JARS. Squat, 2 oz., complete with black enamel caps, 100 gross available. Offers for part may be considered. Box 4/697.

JOB LINE, 830 gross 1 and 2 oz. Medical flat bottles. What offers? Write Box 4/710.

LARGE QUANTITY surplus clinical thermometers in plastic cases. Made in U.S.A. Certified correct. 36s. dozen. Also quantity of 2-c.c. all-glass syringes with metal nozzles, Record fitting, boxed 52s doz., carriage paid. Box 4/689.

PANCHROMATIC FILMS for sale. A better roll film with a better profit. No fogged edges. Cleanly spooled by pre-war manufacturer; no used backings. 20/62 sizes, 24s. per doz., also 27, 20s. doz. 2s. 6d. carriage on 1 gross—4s. 6d. over. Geoffreys Studios, 10 Jamaica St., Glasgow.

SACCHARINE, soluble, available. Offers. Box 4/695.

STEARINE CAKE and powder; also cetaceum surplus to requirements. Box 4/694.

SODIUM BICARBONATE, 5 to 7 tons, £16. Also 400 lb. "Red Ship" aniseed oil, 5s. 6d. per lb. Box 4/678.

SURPLUS CHEMICALS for disposal. Sodium Alginate (Manucol) about 15 cwts. Acid Calcium Phosphate about 16 cwts. Calcium Bromide about 14 lbs. Magnesium Sulphate about 50 cwts. Box 4/720.

TABLET BOTTLES, Nos. 4 and 7, complete with caps. Offers. Box 4/696.

TERPINEOL. 6 cwt. surplus available. Offers. Box 4/693.

ZINC TOP TABLES in oak or deal. Top 3′ 6″ x 2′ 6″. Fitted with slatted shelf 15″ from floor. Ideal laboratory use. £6 10s. including carriage. Dept. M.147, Andrews Warehouse Co., Waghorn St., Peckham. New Cross 1499.

80,000 PIECES CELLOPHANE, 6¾ in. x 4½ in. Apply Box 4/683.

2 VERTICAL cross tube boilers complete with full set fittings and mountings, also fitted with hand-controlled Duoflam gas burner. Capacity 150 lb. per hour evaporation. Straight out of use, £90 each. Affined Basic Chemicals, Ltd., Empire Works, Desborough Rd., High Wycombe, Bucks.

If you manufacture your own packed goods, the first essential is a reliable recipe book of tried and tested formulas. The best book for this purpose —comprehensive—practical—and indeed the most complete work of its kind in any language is

PHARMACEUTICAL FORMULAS

(VOLUME II)

It provides exactly what is required by the manufacturer or retailer who is alive to the immense opportunities of developing new business by the production and marketing of 'own-name' lines.

It contains nearly 1,000 pages and many thousands of profitable and easily compounded formulas for Toilet Preparations, Hair Preparations, Dental Preparations, Perfumes, Culinary and Household Requisites, Cleaning Materials, Polishes, Soaps, Pastilles, Lozenges, Varnishes, Lacquers, Adhesives, Horticultural and Agricultural Preparations, Fertilisers, Veterinary Products, Beverages, and many miscellaneous preparations. Don't tell your customers you are 'out of stock.' You can make, and build up, a sound business for your own specialities. This book is a real money maker at the present time. It will repay its cost in a single week.

21/9 Post Free.

The postman will deliver a copy by next mail if you order now from—

THE CHEMIST AND DRUGGIST, 28 Essex St., Strand, London, W.C.2

KENT COUNTY COUNCIL
ASSISTANT PHARMACIST

Applications are invited for the following appointment.

ASSISTANT PHARMACIST (M.P.S. or Ph.C.) (male), hospital experience preferred. Salary £370 a year by four increments of £15 and one of £20 to £450 a year. Superannuation. Medical examination necessary.

Applications, stating age, qualifications, experience and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

The person appointed will, in the first instance, be employed at the County Pharmacy, County Hall, Maidstone, and transferred to the service of the Regional Hospital Board at a later date.

W. L. PLATTS,
Clerk of the County Council.

County Hall, Maidstone.
September 17, 1948.

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST for NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. J.N.C. (Hospital Staffs) Scale. £370 to £450 inc. Similar experience may determine commencing salary. Whole time, established, pensionable, subject to medical examination. Applications, stating age, qualifications, experience, with copies of up to three recent testimonials, to MEDICAL DIRECTOR of Hospital immediately (quoting D.591 CD). No forms.

C. W. RADCLIFFE,
Clerk of the County Council.

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST required at HAREFIELD COUNTY HOSPITAL, Harefield, Middx. J.N.C. (Hosp. Staffs) salary £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Recently qualified pharmacists eligible. Whole-time, unestablished, possible establishment, subject to medical examination. Application, stating age, qualifications, experience, with copies of up to 3 recent testimonials, to MEDICAL DIRECTOR at Hospital, IMMEDIATELY (quoting E.146 CD).

QUEEN MARY'S HOSPITAL FOR THE EAST END WEST HAM GROUP No. 9 STRATFORD, LONDON, E.15

ASSISTANT PHARMACIST required. Commencing salary depending on experience and in accordance with the J.N.C. (Hospital Staffs) Scale. Previous hospital experience not essential. Hours, 9 a.m. to 5 p.m. Saturday, 9 a.m. to 1 p.m. No Sunday or late duties. Applications with details of experience should be sent to the undersigned.

J. C. DURNAN, Chief Pharmacist.

READING & DISTRICT HOSPITAL MANAGEMENT COMMITTEE ROYAL BERKSHIRE HOSPITAL, READING

Applications are invited from persons holding the Certificate of the Society of Apothecaries for the post of SECRETARY-DISPENSER. Salary in accordance with the J.N.C. Scale (£270-£320 per annum). Similar experience may determine commencing salary. Applications, stating age, qualifications and experience, with copies of recent testimonials, should be sent to the Administrative Officer.

REDHILL COUNTY HOSPITAL
EDGWARE, MIDDLESEX

REGISTERED ASSISTANT PHARMACIST required. J.N.C. (Hosp. Staffs) salary £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Whole-time, established, pensionable, subject to medical examination. Application, stating age, qualifications, experience, with copies of up to three recent testimonials, to Medical Director of Hospital immediately (quoting D.815 CD). No forms.

AGENCIES

17/6 for 36 words or less, 4d. for every additional word

AGENTS or exclusive district distributors wanted for the most efficient cleansing tablet. Non-abrasive; no coupons; no competition. Makers: Nubel, Ltd., 87A Thurleigh Rd., London, S.W.12.

AGENTS wanted to handle established range of pharmaceuticals and fine chemicals. Must have established connection with wholesale and retail chemists. Generous commission. Box 4/682.

CHEMISTS' WHOLESALERS and agents wanted all areas. Company representation being withdrawn. Old-established lines. Interested companies please write Box W.1837, Haddons', Salisbury Sq., London, E.C.4.

COMMISSION AGENTS required to sell to Chemists and Druggists in Wales, Yorkshire and East Anglia nationally advertised patented line, full sales aids, including lists of customers, provided to successful applicants. Agents with proved sales records and good connections should send full details of lines now carried, whether car owner, and frequency of calls to Box No. 254, Dorland Advertising Limited, 18-20 Regent St., London, S.W.1.

FIRM OF MANUFACTURING and Wholesale Chemists is desirous of being appointed Selling Agent for well presented Pharmaceutical Products and Sundries Lines in the Northern Counties. Will firms of repute only apply, please Box 4/718.

SALES ORGANISATION, 14 representatives covering all Scotland, Ireland and Northern Ireland's first-class pharmaceutical and sundries only, offer representation for sundries and established toilet or pharmaceutical lines. Box 4/698.

BUSINESS OPPORTUNITIES

17/6 for 36 words or less, 4d. for every additional word

FACTORY PREMISES in S.E. London. Space in modern new factory, eminently suitable as a London depôt. Warehouse, packing and office staff available, also motor transport. Apply Box 4/669.

MANUFACTURERS of nationally advertised cosmetic speciality would share advertisement space and costs (currently £3/5,000 p.a.) with another manufacturer of non-competing line with view to joint doubling of effective coverage. Box 4/642.

MANUFACTURING CHEMIST'S business is for sale. High-class pharmaceutical products are made in London factory. Good profit. Reasonable price. Box 4/699.

MANUFACTURING CHEMISTS have facilities and space available for the manufacture and/or packing of domestic, industrial or toilet products. Bottle, powder and tube filling. Frank Macowal, Ltd., 30 Loughborough St., S.E.11. Reliance 3435.

SALES ORGANISATION, 14 representatives covering all Scotland, Ireland and Northern Ireland's first-class pharmaceutical and sundries only. Offer representation for sundries and established toilet or pharmaceutical lines. Box 4/680.

WHY NOT BE A SALESMAN with our proved postal training and guaranteed appointments service which secured 1,000 salaried sales vacancies in 1947? Previous experience unnecessary with our 25 years' specialised experience to aid you. Send today for free details. Wallace Attwood College, Dept. 84, Attwood House, Finchley Rd., London, N.W.3.

ANTED firm covering Great Britain or part, to rket unique new line with big future. Univer- appeal, women no competition whatever. x 4/712.

SALES BY AUCTION

By Order of the Joint Liquidators, Arthur E. Clarke, Esq., and Parkin S. Booth, Esq., re HOWARD-TAYLOR LIMITED (in liquidation)

MANUFACTURING CHEMISTS

he entire stock consisting of finished stock, aw materials, packing materials, office furni- ure, etc., has been removed and will be sold by auction at

FETTER LANE AUCTION ROOMS, E.C.1,

n Tuesday, September 28, 1948, at 2.30 pprox. On view day prior and morning of ale. Catalogues of the auctioneers: Hamilton Palmer & Junr., 24 Holborn, London, E.C.1 adjoining the sale rooms). 'Phone: Holborn 391.

MISCELLANEOUS SALES

6 for 36 words or less, 4d. for every additional word

IED WHITE WILLOW BARK. For sale, several s which are surplus to ordinary requirements ulting from heavy fall of trees this season and essary clear storage for coming felling (Novem-). Litchfield's, 32 Ferrers Av., West Drayton, ddlesex.

R SALE. All sizes of glass bottles and cosmetic s. Pay Bros. 28 St. James's Pl., S.W.1. Tel. gent 0338.

R SALE. 10,000 self-fastening wax fibre board es, each when assembled 9½" x 12" x 11". New unused. £50 per 1,000 for quick sale. O. uton & Co., Ltd., 4 Barker Lane, York.

YCERINE, B.P. Surplus to requirements; also ax, boracic powder, methyl salicyl and magnes. b. Lev. Box 4/692.

YCERINE and stearic acid for disposal. Offers 4/545.

JARS. Squat, 2 oz., complete with black enamel caps, 100 gross available. Offers for part may be considered. Box 4/697.

JOB LINE, 830 gross 1 and 2 oz. Medical flat bottles. What offers? Write Box 4/710.

LARGE QUANTITY surplus clinical thermometers in plastic cases. Made in U.S.A. Certified correct. 36s. dozen. Also quantity of 2-c.c. all-glass syringes with metal nozzles, Record fitting, boxed 52s doz., carriage paid. Box 4/689.

PANCHROMATIC FILMS for sale. A better roll film with a better profit. No fogged edges. Cleanly spooled by pre-war manufacturer; no used backings. 20/62 sizes, 24s. per doz., also 27, 20s. doz. 2s. 6d. carriage on 1 gross—4s. 6d. over. Geoffreys Studios, 10 Jamaica St., Glasgow.

SACCHARINE, soluble, available. Offers. Box 4/695.

STEARINE CAKE and powder; also cetaceum surplus to requirements. Box 4/694.

SODIUM BICARBONATE, 5 to 7 tons, £16. Also 400 lb. "Red Ship" aniseed oil, 5s. 6d. per lb. Box 4/678.

SURPLUS CHEMICALS for disposal. Sodium Alginate (Manucol) about 15 cwts. Acid Calcium Phosphate about 16 cwts. Calcium Bromide about 14 lbs. Magnesium Sulphate about 50 cwts. Box 4/720.

TABLET BOTTLES, Nos. 4 and 7, complete with caps. Offers. Box 4/696.

TERPINEOL. 6 cwt. surplus available. Offers. Box 4/693.

ZINC TOP TABLES in oak or deal. Top 3′ 6″ x 2′ 6″. Fitted with slatted shelf 15″ from floor. Ideal laboratory use. £6 10s. including carriage. Dept. M.147, Andrews Warehouse Co., Waghorn St., Peckham. New Cross 1499.

80,000 PIECES CELLOPHANE, 6¾ in. x 4½ in. Apply Box 4/683.

2 VERTICAL cross tube boilers complete with full set fittings and mountings, also fitted with hand-controlled Duoflam gas burner. Capacity 150 lb. per hour evaporation. Straight out of use, £90 each. Affined Basic Chemicals, Ltd., Empire Works, Desborough Rd., High Wycombe, Bucks.

If you manufacture your own packed goods, the first essential is a reliable recipe book of tried and tested formulas. The best book for this purpose —comprehensive—practical—and indeed the most complete work of its kind in any language is

PHARMACEUTICAL FORMULAS

(VOLUME II)

It provides exactly what is required by the manufacturer or retailer who is alive to the immense opportunities of developing new business by the production and marketing of 'own-name' lines.

It contains nearly 1,000 pages and many thousands of profitable and easily compounded formulas for Toilet Preparations, Hair Preparations, Dental Preparations, Perfumes, Culinary and Household Requisites, Cleaning Materials, Polishes, Soaps, Pastilles, Lozenges, Varnishes, Lacquers, Adhesives, Horticultural and Agricultural Preparations, Fertilisers, Veterinary Products, Beverages, and many miscellaneous preparations. Don't tell your customers you are 'out of stock.' You can make, and build up, a sound business for your own specialities. This book is a real money maker at the present time. It will repay its cost in a single week.

21/9 Post Free.

The postman will deliver a copy by next mail if you order now from—

THE CHEMIST AND DRUGGIST, 28 Essex St., Strand, London, W.C.2

STOCKTAKING FOR INCOME TAX OR SALE VALUATIONS

In addition to the normal chemist's stocktaking, I specialise in the valuation of—

Photographic Stocks & Equipment
Optical Stocks & Equipment
Fixtures & Fittings

and all items relating to Wholesale or Retail Chemist's Businesses.

DETAILED INVENTORIES SUPPLIED IF REQUIRED

Chemist's own Stock sheets Priced.

Results Available SEVEN DAYS after Valuation

Scale terms on application to—

M. H. BARNES (Licensed Appraiser)
4 CHARLWOOD ST., VICTORIA, S.W.1
Telephone : VICTORIA 5686

FOR SALE. 2 cwt. Oleum Morrhuae B.P. 10/- gal. 1 cwt. Terpinol 2/- lb. 1 cwt. G.M.S. Best Quality 2/3 lb. 60 lb. Spermaceti 2/- lb. 10 gal. Isoproyl Alcohol 10/- gal. 5 gal. Acetone 10/- gal. 1 cwt. Citric Acid Crystals 1/- lb. 2 x 45 gal. Drums Liquid Paraffin B.P. 6/9 gal. App. 70 lbs Brazilian Oil of Orange 6/6 lb. Yaffe's, Park Hill, Bury Old Road, Prestwich Lancs.

WANTED

8/6 for 36 words or less, 3d. for every additional word

GLYCERINE and triple pressed stearic acid wanted in small or large quantities. Box 4/543.

SODIUM BICARBONATE, B.P. standard, and caustic soda powder, flakes, required. Write Box 4/684.

STEARIC ACID, triple pressed, required in large quantities. Box 4/9

FOR SALE

8/6 for 36 words or less, 3d. for every additional word

FOR SALE. Stainless steel water-jacketed vessel, 100-gall. capacity, bottom outlet, in good condition. View London. Price £110. Box 4/685.

ONE NEW Centrac automatic tube-filling, closing and crimping machine with one set of tube holders. Motor starter for sale. Please write for further information Box 4/621.

TABLET BOXES. First class quality size $1\frac{7}{8}''$ x $1''$ x $\frac{1}{2}''$, 1,000,000 available, packed in cartons of 500. Price 7s. 6d. 1,000 for lots of 25,000. Offers considered for the whole quantity. Sample on request. Jarvis, 43 Hockerill Street, Bishop's Stortford.

PREMISES FOR SALE

LARGE FREEHOLD FACTORY, comprising approx. 8,000 sq. ft., with additional land for extensions, for disposal. The premises are situated approx. 30 miles from London on main railway line. Labour is available in the area. The price asked is £15,000 but a near offer might be accepted. Please write in first instance to Box 4/616.

PREMISES TO LET

LARGE FACTORY TO LET to suitable tenants on a long lease The premises are approx. 30 miles from London with very good accessibility to London. Labour is available in the area. The rental asked is £850 per year. Only genuine enquiries, please. Box 4/615.

OPENING FOR CHEMIST in block of modern shops adjoining housing estate and opposite Huyton Quarry Station. Living accommodation comprises sitting room, living room, 2 bedrooms, bathroom and W.C. Nearest chemist over 1 mile. To be let on lease at £200 p.a. and rates. Apply Melville Curlender, Estate and Land Agent, Inner Temple, Liverpool.

SHOP TO LET. (Ground floor and basement). Corner of Bedford St. and Brownlow Hill, Liverpool (opposite University). Apply Appleby, "Byfield" Brow Ln., Formby, nr. Liverpool.

PATENTS

IT IS DESIRED to secure the full commercial development in the United Kingdom of British Patents Nos. 507,902, 508,003, 509,819 and 510,004 which relate to "Insecticide" either by way of the grant of licences or otherwise on terms acceptable to the patentee. Interested parties desiring copies of the patent specifications should apply to Stevens, Langer, Parry & Rollinson, 5 to 9 Quality Court, Chancery Lane, London, W.C.2.

TRADE MARKS

THE TRADE MARK No. 637549 consisting of the word "Ballerina" and registered in respect of liquid perfumes was assigned on August 25, 1948, by De Graf Perfume Bars Limited, of 19 Grosvenor Gardens, Temple Fortune, London, N.W.11, to Coty Inc., of 730 Fifth Avenue, Rockefeller Center, New York City, United States of America, *without the goodwill of the business* in which it was then in use.

TEL.: CANONBURY 3401

BUCKLEY BOWKER TABLET CO. LTD.

PARKFIELD STREET, LONDON, N.1

OVER 40 YEARS' PRACTICAL EXPERIENCE

COMPRESSED TABLETS EVERY KIND AND SHAPE, BULK OR PACKED, UP TO $1\frac{1}{2}''$ SQUARE OR ROUND.

PRIVATE FORMULAS COMPOUNDED BY EXPERTS

We have specialised for many years in— **CONTRACEPTIVES** (Special Formulas), **TABLETS** and **JELLIES**

Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2. [101/31

'SULPHAMEZATHINE' ORAL SUSPENSION

offers the busy practitioner a convenient and agreeable means of administering 'Sulphamezathine'—the safest sulphonamide for dealing with infections in children. 1 teaspoonful contains 0.5 gramme.

In bottles of 100 c.c.

ICI

Further information and literature available from your nearest I.C.I. Office: London, Bristol, Manchester, Glasgow, Edinburgh, Belfast & Birmingham.

IMPERIAL CHEMICAL [PHARMACEUTICALS] LTD.
(A subsidiary company of Imperial Chemical Industries Ltd.) MANCHESTER

Ph. 280

The CHEMIST AND DRUGGIST
SEPTEMBER 25, 1948

The ethical medical preparation for the treatment of Asthma

Prescribed and recommended by the Medical Profession in Hospitals, Private Practice and Government Departments throughout the world—

PATA

BRITISH FELSOL COMPANY LTD

WIGTON HOUSE, 206-212 ST JOHN STREET, CLERKENWELL, LONDON, E.C.1.
Telephone, CLErkenwell 5862 Cables. 'Felsol', Smith, London.